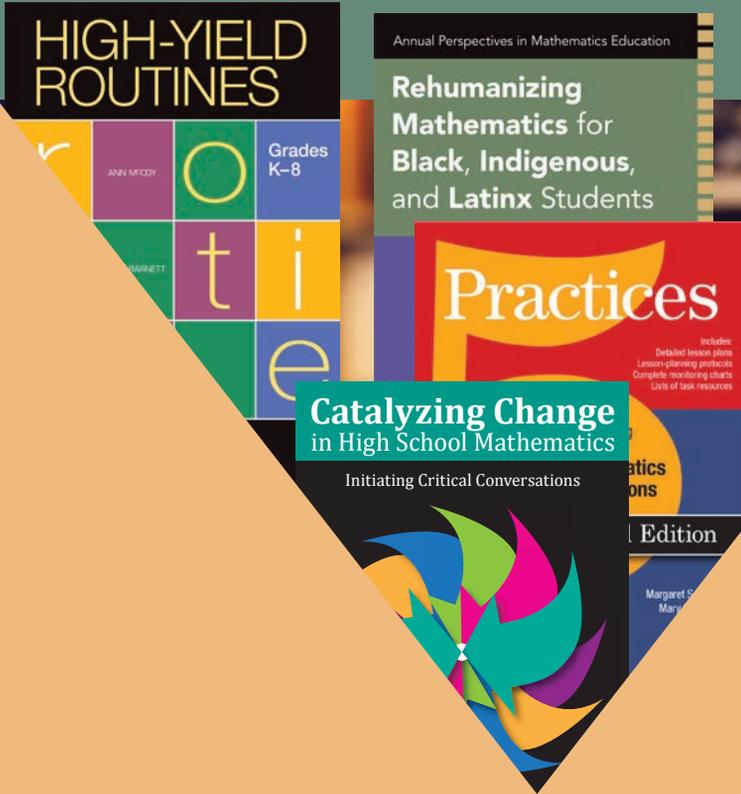




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2018–2019



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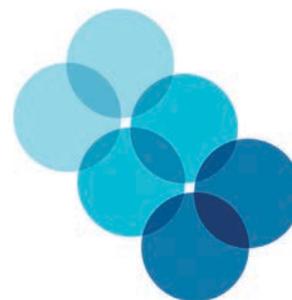
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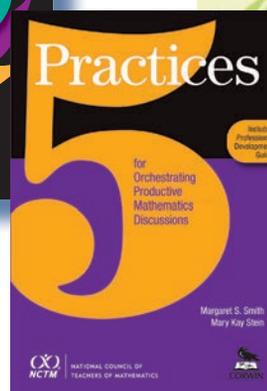
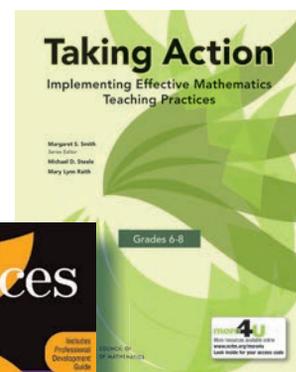
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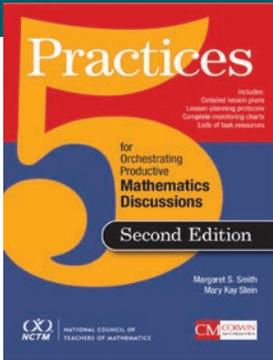
- *Facilitating Meaningful Mathematical Discourse (Pre-K–Grade 12)*
- *Supporting Students' Productive Struggle (Pre-K–Grade 12)*
- *Algebra Readiness for All Students (Grades 6–8)*
- *Making Mathematics Accessible (Grades 4–8)*
- *Catalyzing Change*
- *5 Practices for Orchestrating Productive Mathematics Discussions*

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- Book study

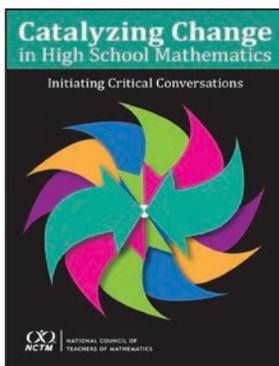


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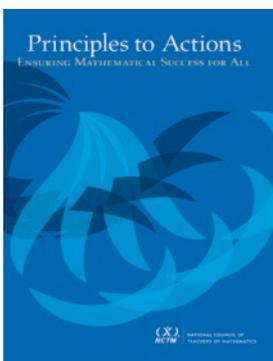
2

This highly effective and influential text for improving mathematics instruction through productive classroom discussions is now available in a newly updated edition.



3

This new publication provides a roadmap for overcoming the many obstacles that educators face as they try to make high school mathematics education effective, life-changing, and relevant.



44

With more than 100,000 copies in print, *Principles to Actions* is a vital tool for all teachers, mathematics coaches, administrators, parents, and policymakers seeking to improve mathematics education.

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New Releases

	Page #	Pre-K-5	Grades 3-5	Grades 6-8	Grades 9-12
APME 2018: Rehumanizing Mathematics for Black, Indigenous, and Latinx Students	2	●	●	●	●
Catalyzing Change in High School Mathematics: Initiating Critical Conversations	3				●
Everything You Need for Mathematics Coaching: Tools, Plans, and a Process That Works for Any Instructional Leader, Grades K-12	3	●	●	●	●
5 Practices for Orchestrating Productive Mathematical Discussion, 2nd Edition	2	●	●	●	●
A Fresh Look at Formative Assessment in Mathematics Teaching	3	●	●	●	●
Integrating Math across the K-6 Curriculum	4	●	●	●	
A Pleasure to Measure: Tasks for Teaching Measurement in the Elementary Grades	4	●	●		
Rigor, Relevance and Relationships: Making Mathematics Come Alive with Project-Based Learning	3	●	●	●	●

APME 2018: Rehumanizing Mathematics for Black, Indigenous, and Latinx Students

EDITED BY IMANI GOFFNEY AND ROCHELLE GUTIÉRREZ

MELISSA BOSTON, SERIES EDITOR 2017-2018

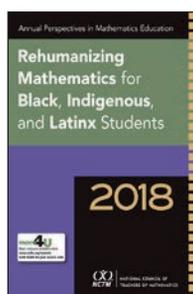
The 2018 volume of NCTM's *Annual Perspectives in Mathematics Education (APME)* series focuses on the challenges and possibilities of teaching and learning mathematics with Black, Indigenous, and Latinx students. Its chapters describe successful classroom methods for attending to the identities of both students and teachers, along with suggestions for professional development programs that embrace the entire community of learners.

The chapters describe a variety of initiatives that work to place these often marginalized students—and their identities, backgrounds, challenges, and aspirations—at the center of mathematics teaching and learning. A conversation is developed on what mathematics educators can do to enable Latinx, Black, and Indigenous students to build on their strengths and fulfill their promise.

2018, Stock #15626, 170 pages, ISBN 978-1-68054-009-3

List Price \$40.95 / Essential Price: \$32.76 / Premium Price: \$28.67

[Learn more](#)



5 Practices for Orchestrating Productive Mathematics Discussions

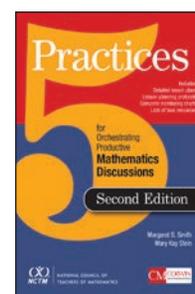
MARGARET S. SMITH AND MARY KAY STEIN

The five manageable practices explained in this book have the power to put teachers in control of productive classroom discussions. The model—anticipating, monitoring, selecting, sequencing, and connecting—focuses on prior planning and limits the amount of improvisation required during the lesson. Newly updated, *5 Practices, 2nd Edition* is situated within the current educational context of the Common Core standards and NCTM's *Principles to Actions*, and it remains relevant and rewarding for mathematics teachers in K-grade 12 classrooms and for the coaches, teacher educators, professional developers, and supervisors who support them.

2018, Stock #15397, 192 pages, ISBN 978-1-68054-016-1

List Price: \$30.95 / Essential Price: \$24.76 / Premium Price: \$21.67

[Learn more](#)



Catalyzing Change in High School Mathematics: Initiating Critical Conversations

This book identifies and addresses critical challenges in high school mathematics to ensure that each and every student has the mathematical experiences necessary for his or her future personal and professional success. These challenges include broadening the purposes for teaching high school mathematics, dismantling structural obstacles, implementing equitable instructional practices, identifying Essential Concepts that all high school students should learn and understand, and organizing the high school curriculum around these Essential Concepts.

Catalyzing Change addresses the fact that significant numbers of high school students develop unproductive mathematical identities and see little value in mathematics, while the need for mathematical skills is increasing to meet the workplace, postsecondary education requirements, and to ensure active participation in our democratic society.

2018, Stock #15637, 126 pages, ISBN 978-1-68054-014-7

List Price: \$39.50 / Essential Price: \$31.60 / Premium Price: \$27.65

[Learn more](#)

Rigor, Relevance and Relationships: Making Mathematics Come Alive with Project-Based Learning

EDITED BY JEAN LEE AND ENRIQUE GALINDO

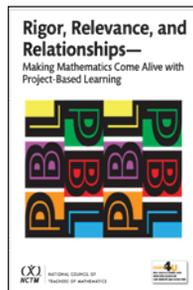
This book supplies teachers with a challenging and rewarding new way to deeply engage their students in secondary mathematics. In project-based learning (PBL), students investigate and solve real-world issues through mathematics.

Rigor, Relevance, and Relationships describes the nuts and bolts of designing an effective PBL unit, outlines how this method can help prepare students for future challenges in life and learning, and showcases a number of classroom-tested examples of PBL lessons.

2018, Stock #14798, 232 pages, ISBN 978-0-87353-770-4

List Price: \$35.95 / Essential Price: \$28.76 / Premium Price: \$25.17

[Learn more](#)



Everything You Need for Mathematics Coaching: Tools, Plans, and a Process That Works for Any Instructional Leader, Grades K-12

MAGGIE B. MCGATHA, JENNIFER M. BAY-WILLIAMS, BETH MCCORD KOBETT, AND JONATHAN A. WRAY

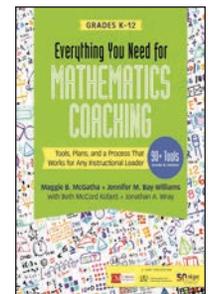
Copublished with Corwin Press

This one-stop, comprehensive toolkit for improving mathematics instruction and learning is designed for busy math coaches who often have to rely on their own competencies. A plethora of critical tools, plans, resources, coaching strategies, and examples from the field help you guide teachers toward growing mathematics proficiency in their classrooms.

2018, Stock #15648, 360 pages, ISBN 978-1-54431-698-7

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



A Fresh Look at Formative Assessment in Mathematics Teaching

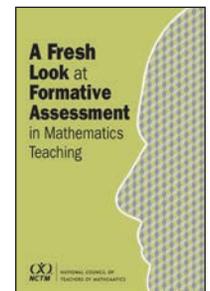
EDITED BY EDWARD A. SILVER AND VALERIE L. MILLS

Formative assessment is a powerful pedagogical tool that is frequently overlooked and often misunderstood. Mathematics teacher educators and professional development specialists will find that this book explicates the role of formative assessment in effective mathematics teaching and learning, shows what it looks like in practice, and demonstrates how teachers can be assisted in developing the knowledge and skills needed for successful implementation.

2018, Stock #15339, 193 pages, ISBN 978-1-68054-018-5

List Price: \$35.95 / Essential Price: \$28.76 / Premium Price: \$25.17

[Learn more](#)



Integrating Math across the K-6 Curriculum

EDITED BY SUSAN E. MCMILLEN

This online teacher resource is filled with lesson plans and activity sheets linked to articles from NCTM's journals *Teaching Children Mathematics* and *Mathematics Teaching in the Middle School* and to sections from NCTM's Navigations books. The product provides K-6 teachers with dozens of mathematics lessons related to topics their students are studying in science (such as biology, health, technology, and space), social studies (such as history, civics, and geography), and the arts (such as music, art, and design). It includes more than 70 downloadable articles and more than 100 lesson plans.



2018, Stock #15700, ISBN 978-0-87353-924-1

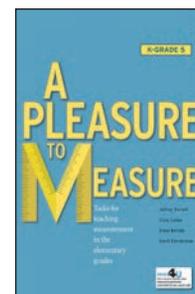
List Price: \$29.95 / Essential Price: \$23.96 / Premium Price: \$20.97

[Learn more](#)

A Pleasure to Measure: Tasks for Teaching Measurement in the Elementary Grades

JEFFREY BARRETT, CRAIG CULLEN, DIANA BEHNKE, AND DAVID KLANDERMAN

This book presents lively activities that dovetail with standards and research-based stages of development to support students' steady growth in understanding measurement. With individual chapters for kindergarten through grade 5, *A Pleasure to Measure* includes 65 classroom-ready activities on measurement, along with a summary of learning goals, connections to children's literature, and ideas for extending beyond the activities.



2017, Stock #14782, 272 pages, ISBN 978-0-87353-762-9

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price: \$22.37

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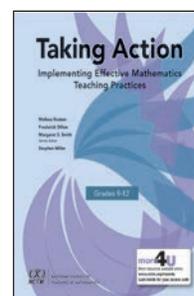
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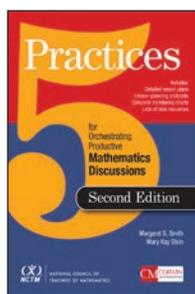
1.
Principles to Actions: Ensuring Mathematical Success for All
 #14861, page 44



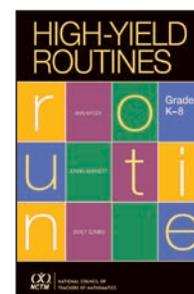
6.
Taking Action: Implementing Effective Mathematics Teaching Practices in Grades 9-12
 #15201, page 25



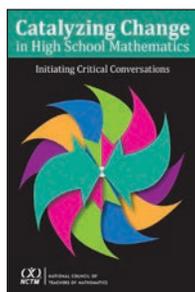
2.
5 Practices for Orchestrating Productive Mathematics Discussion, 2nd Edition
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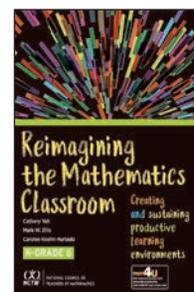
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High-Yield Routines for Grades K-8
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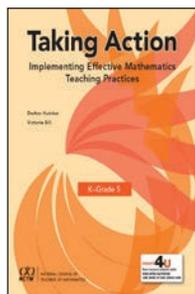
3.
Catalyzing Change in High School Mathematics: Initiating Critical Conversations
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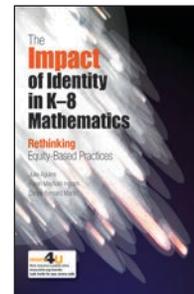
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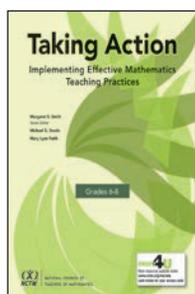
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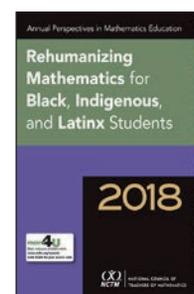
9.
The Impact of Identity in K-8 Mathematics: Rethinking Equity-Based Practices
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5.
Taking Action: Implementing Effective Mathematics Teaching Practices in Grades 6-8
 #15200, page 25



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Annual Perspectives in Mathematics Education 2018: Rehumanizing Mathematics for Black, Indigenous, and Latinx Students
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The Common Core State Standards in Mathematics for English Language Learners	9	●	●	●	●
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Developing Essential Understanding	12	●	●	●	●
Developing Essential Understanding Bundles	23	●	●	●	●
Developing Mathematical Ideas	14	●	●	●	
Discovering Lessons for the Common Core State Standards	16	●	●	●	●
Every Student Can Learn Mathematics	17	●	●	●	●
Making It Happen	18	●	●	●	●
Mathematics Assessment: Cases and Discussion Questions	18	●	●	●	●
Mathematics Assessment Sampler	19	●	●	●	●
Mathematics Assessment: A Practical Handbook	19		●	●	
Mathematics Lesson-Planning Handbook: Your Blueprint for Building Cohesive Lessons	20	●	●		
On the Money: Math Activities to Build Financial Literacy	20	●	●	●	●
Problem Solving in All Seasons	21	●	●		
Putting Essential Understanding into Practice	21	●	●	●	●
Putting Essential Understanding into Practice Bundles	23	●	●	●	●
Reasoning and Sense Making in the Mathematics Classroom	24	●	●	●	
Taking Action: Implementing Effective Mathematics Teaching Practices	25	●	●	●	●
Teaching and Learning Mathematics	26	●	●	●	●
Teaching Mathematics through Problem Solving	26	●	●	●	●
Yearbooks	26	●	●	●	●
Your Mathematics Standards Companion: What They Mean and How to Teach Them	27	●	●	●	●

Access and Equity: Promoting High-Quality Mathematics Series

MARTA CIVIL, SERIES EDITOR

NCTM's Access and Equity Principle states that "all students [should] have access to a high-quality mathematics curriculum, effective teaching and learning, high expectations, and the support and resources needed to maximize their learning potential." The books in this series offers math educators strategies and resources for putting that principle into practice

Pre-K-Grade 2

EDITED BY SYLVIA CELEDÓN-PATTICHIS, DOROTHY Y. WHITE, AND MARTA CIVIL

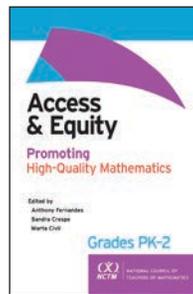
MARTA CIVIL, SERIES EDITOR

This book offers strategies and tools to help teachers in prekindergarten through grade 2 classrooms implement the Access and Equity Principle from NCTM's *Principles and Standards for School Mathematics*. It looks at diversity (culture, race, ethnicity, home languages, economic status, disability) as an asset for teaching and learning mathematics with emphasis on multilingual settings and the need for deeper mathematics among younger children.

2017, Stock #15199, 181 pages, ISBN 978-0-87353-974-6

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

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Grades 6-8

EDITED BY ANTHONY FERNANDES, SANDRA CRESPO, AND MARTA CIVIL

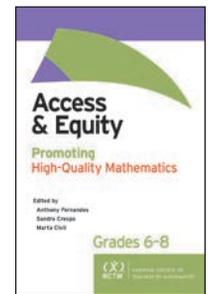
MARTA CIVIL, SERIES EDITOR

Put NCTM's Access and Equity Principle into practice with the strategies and resources in this book. Practice-based vignettes open each chapter, inviting readers to relate to and engage with the issues of access and equity discussed in the middle school mathematics classroom. Questions at the end of each chapter encourage readers to reflect on what they have learned and then take action in adapting the suggested approaches.

2017, Stock #15203, 166 pages, ISBN 978-1-68054-006-2

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

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NEW | Grades 3-5

EDITED BY SANDRA CRESPO, SYLVIA CELEDÓN-PATTICHIS, AND MARTA CIVIL

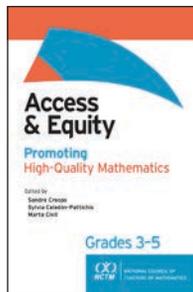
MARTA CIVIL, SERIES EDITOR

This book examines the challenges related to access, equity, and empowerment faced by students making the critical transition into mathematics of the third through fifth grades. It will help teachers provide a challenging, effective mathematics education for each and every student and fully implement the Access and Equity Principle in NCTM's *Principles to Actions: Ensuring Mathematical Success for All*.

2018, Stock #15202, 192 pages, ISBN 978-0-87353-977-7

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

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NEW | Grades 9-12

EDITED BY DOROTHY Y. WHITE, ANTHONY FERNANDES, AND MARTA CIVIL

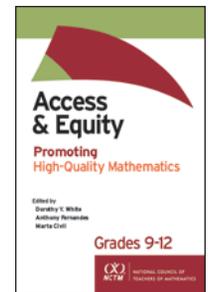
MARTA CIVIL, SERIES EDITOR

This book examines issues related to access, equity, and empowerment faced by students as they prepare for college, technical schools, or joining the workforce. It will help teachers provide each and every student with the challenging mathematics education they need for future success, thereby implementing the Access and Equity Principle in NCTM's *Principles to Actions: Ensuring Mathematical Success for All*.

2018, Stock #15204, 170 pages, ISBN 978-0-87353-979-1

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

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Annual Perspectives In Mathematics Education (APME) Series

2017: Reflective and Collaborative Processes to Improve Mathematics Teaching

EDITED BY LUCY WEST

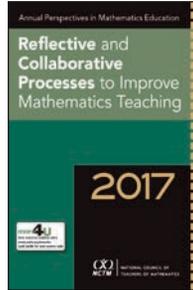
MELISSA BOSTON, SERIES EDITOR 2017-2018

The challenges we face in mathematics education today can only be overcome through thoughtful and collaborative effort. This 2017 volume of *Annual Perspectives in Mathematics Education (APME)* focuses on collaborative initiatives that engage every level of the math education community, including practicing and preservice teachers, school administrators, teacher educators, and university mathematicians. Its 24 chapters describe a wide variety of collaborative initiatives designed to provide teachers with the sustainable tools they need to reflect on and improve their practice, resulting in teachers who are more empowered and better able to deliver high-quality instruction to students at all levels.

2017, Stock #15450, 328 pages, ISBN 978-1-68054-002-4

List Price: \$48.95 / Essential Price: \$39.16 / Premium Price: \$34.27

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2014: Using Research to Improve Instruction

EDITED BY KAREN KARP

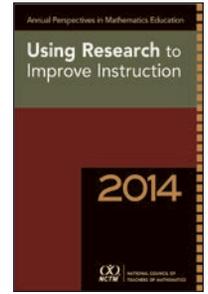
AMY ROTH MCDUFFIE, SERIES EDITOR, 2014-2016

Research has long been recognized as a key component of effective mathematics education for all grades. This 2014 volume of *Annual Perspectives in Mathematics Education (APME)* focuses on the core of NCTM's mission since its inception: supporting teachers to improve instruction through research-based approaches. Its 24 chapters, written by leading mathematics educators and researchers, are grouped into five topic areas: Change; Problem Solving; Reasoning, Explaining, and Discourse; Seeing Structure and Generalizing; and Assessment for Teaching and Learning.

2014, Stock #14774, 260 pages, ISBN 978-0-87353-761-2

List Price: \$42.95 / Essential Price: \$34.36 / Premium Price: \$30.07

[Learn more](#)



2016: Mathematical Modeling and Modeling Mathematics

EDITED BY CHRISTIAN R. HIRSCH

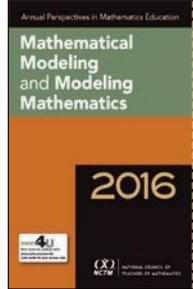
AMY ROTH MCDUFFIE, SERIES EDITOR, 2014-2016

Mathematical modeling plays an increasingly important role both in real-life applications and within mathematics education itself. This 2016 volume of *Annual Perspectives in Mathematics Education (APME)* focuses on this key topic from a wide variety of perspectives and distinguishes it from modeling mathematics. Its chapters include reflections on the meaning and practice of modeling, case studies, research observations, and proven strategies for implementation in the classroom and in teacher education.

2016, Stock #15198, 280 pages, ISBN 978-0-87353-973-9

List Price: \$47.95 / Essential Price: \$38.36 / Premium Price: \$33.57

[Learn more](#)



The Common Core Mathematics Companion: The Standards Decoded Series

Copublished with Corwin Press

Take a deeper look at the mathematics embedded in each of the Common Core State Standards and get examples of effective teaching and learning every step of the way. Don't spend another minute poring over the mathematics standards. Focus instead on how to teach them, using *The Common Core Mathematics Companion* as your one-stop guide for teaching, planning, assessing, collaborating, and designing powerful mathematics curriculum.

Grades K-2

LINDA M. GOJAK AND RUTH HARBIN MILES

2015, Stock #15129, 256 pages, ISBN 978-1-48338-156-5

List Price: \$30.95 / Essential Price: \$24.76 /

Premium Price: \$21.67

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Grades 3-5

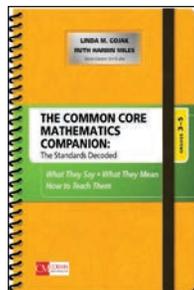
LINDA M. GOJAK AND RUTH HARBIN MILES

2015, Stock #15145, 320 pages, ISBN 978-1-48338-160-2

List Price: \$30.95 / Essential Price: \$24.76 /

Premium Price: \$21.67

[Learn more](#)



Grades 6-8

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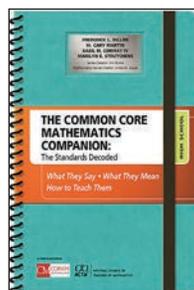
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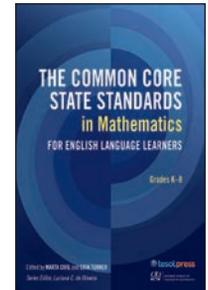
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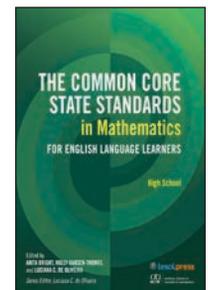
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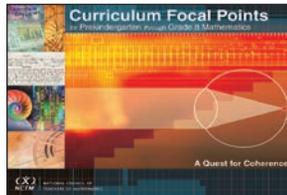


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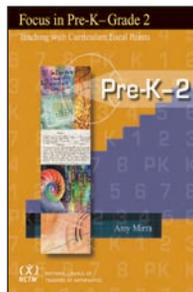
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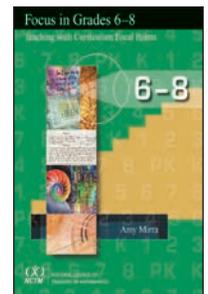


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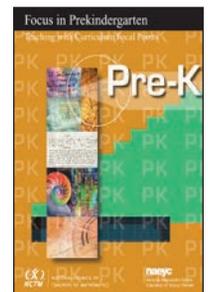
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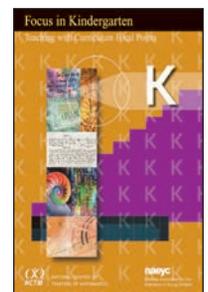


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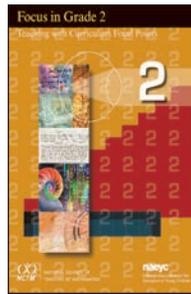


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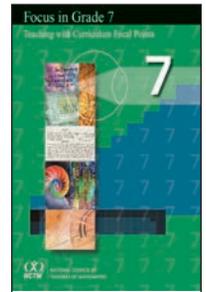


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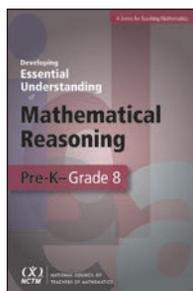
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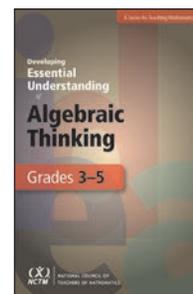
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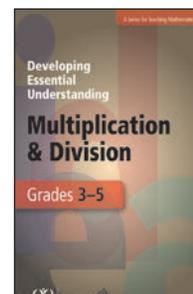
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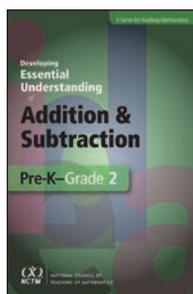
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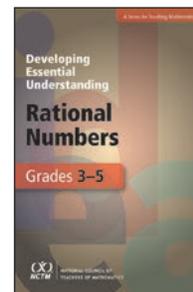
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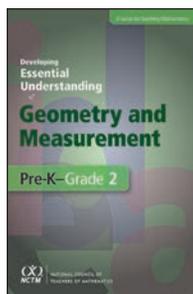
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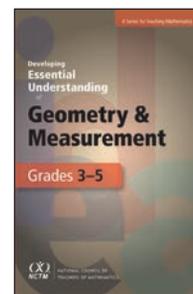
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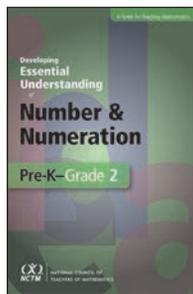
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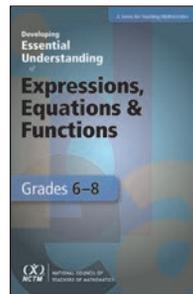
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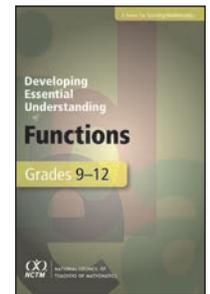
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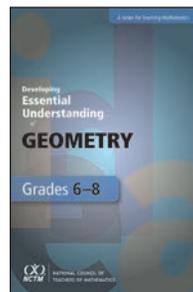
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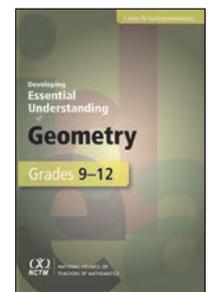
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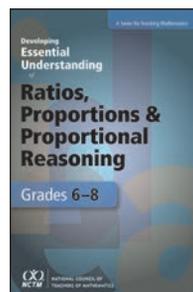
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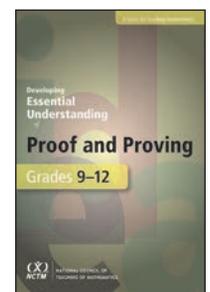
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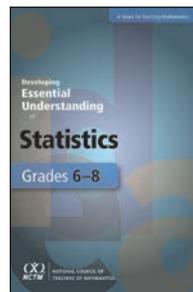
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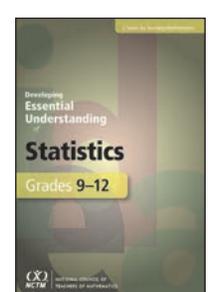
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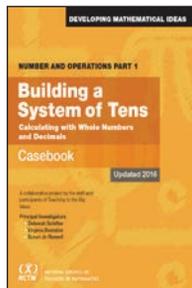
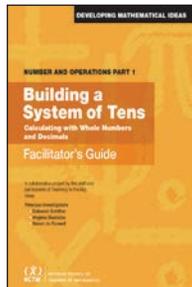
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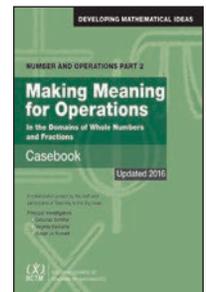
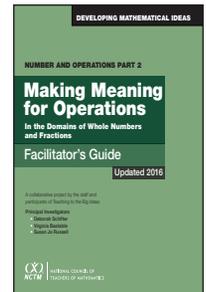
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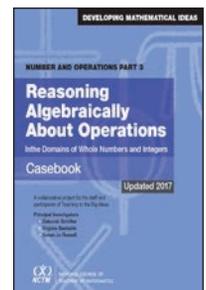
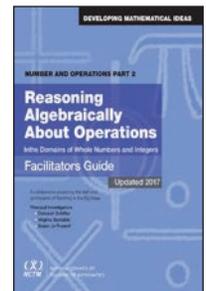
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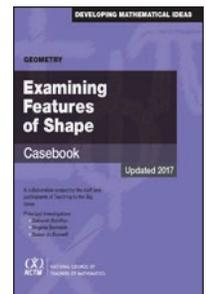


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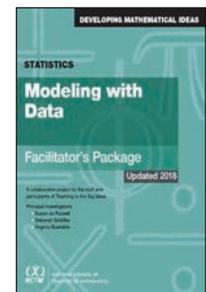
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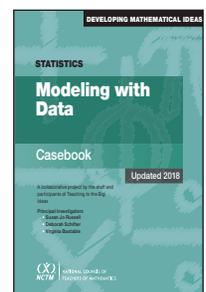


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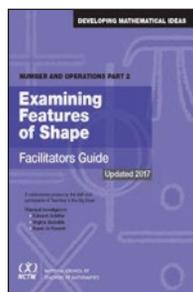
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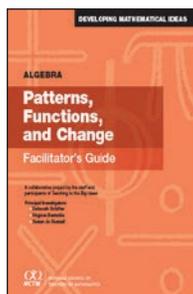
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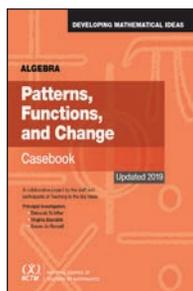
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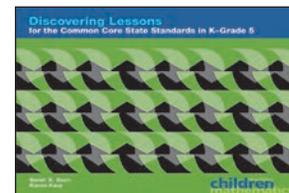
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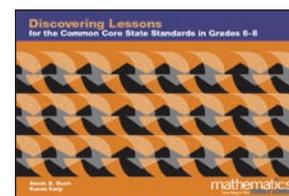
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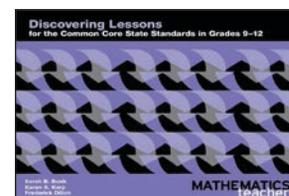
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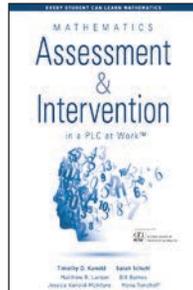
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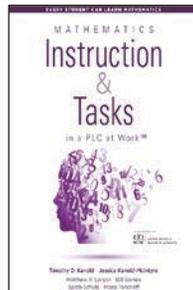
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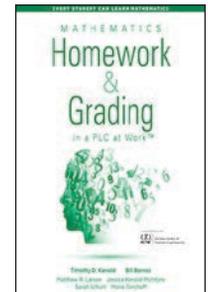
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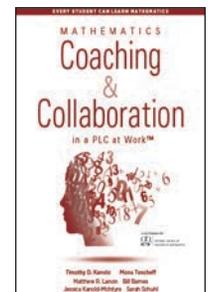
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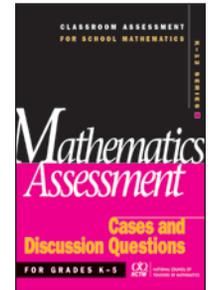
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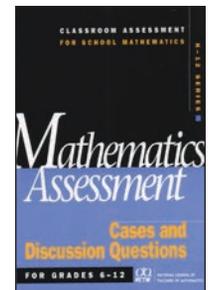
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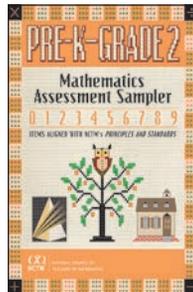
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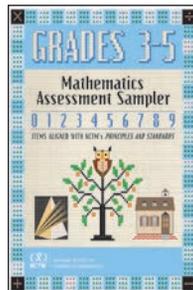
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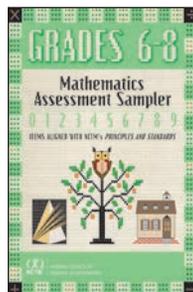
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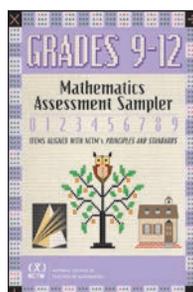
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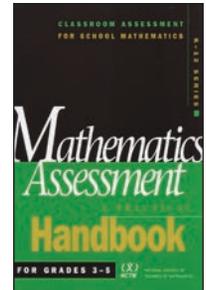
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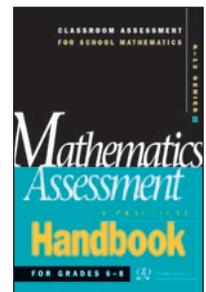
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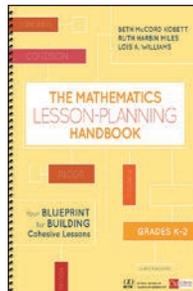
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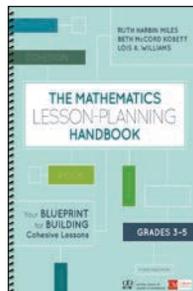
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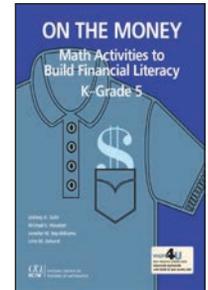
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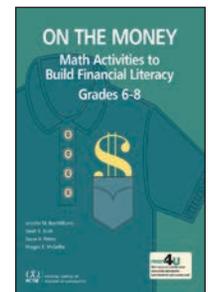
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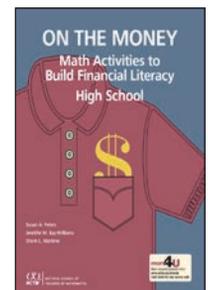
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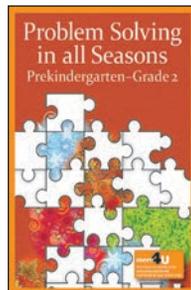
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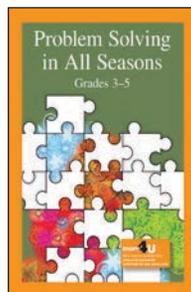
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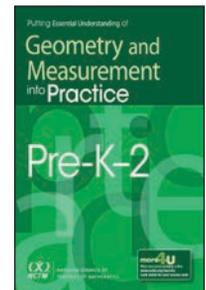
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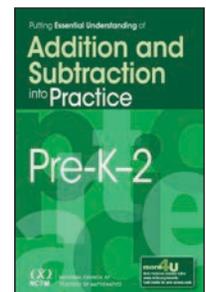
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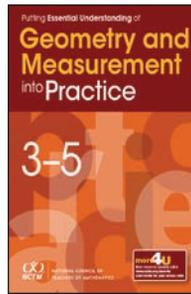
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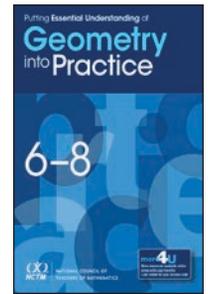
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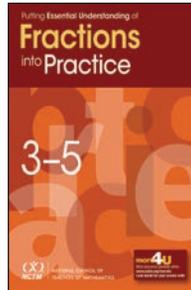
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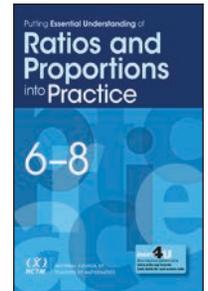
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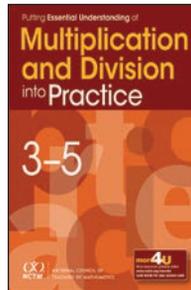
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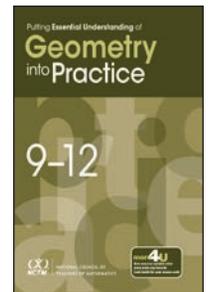
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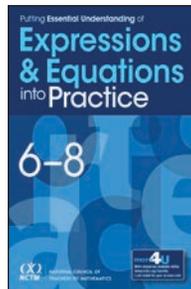
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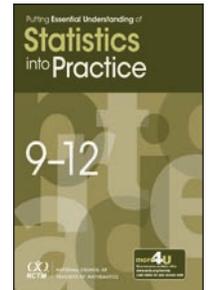
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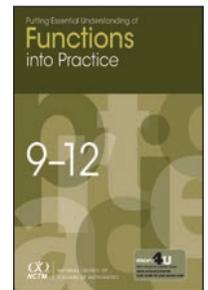
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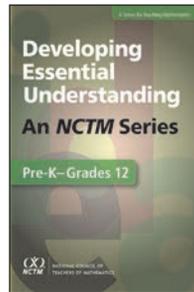
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Developing Essential Understanding Pre-K-2 Bundle

You will receive four titles from this series: stock numbers 13492, 13792, 13793, and 13794.

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Developing Essential Understanding 3-5 Bundle

You will receive five titles from this series: stock numbers 13493, 13794, 13795, 13796, and 13797.

**Stock #15760; List Price: \$148.28 /
Essential Price: \$118.62 / Premium Price: \$103.80**

[Learn more](#)

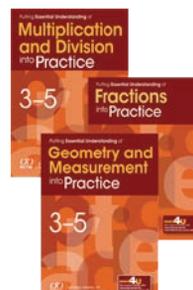


Putting Essential Understanding into Practice 3-5 Bundle

You will receive three titles from this series: stock numbers 14347, 14542, and 14543.

**Stock #15762; List Price: \$98.87 /
Essential Price: \$79.10 / Premium Price: \$69.21**

[Learn more](#)



Developing Essential Understanding 6-8 Bundle

You will receive four titles from this series: stock numbers 13482, 13798, 13800, and 14122.

**Stock #15763; List Price: \$128.52 /
Essential Price: \$102.82 / Premium Price: \$89.96**

[Learn more](#)

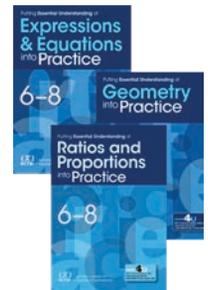


Putting Essential Understanding into Practice 6-8 Bundle

You will receive three titles from this series: stock numbers 14349, 14544, and 14545.

**Stock #15764; List Price: \$97.97 /
Essential Price: \$78.38 / Premium Price: \$68.58**

[Learn more](#)



Developing Essential Understanding 9-12 Bundle

You will receive four titles from this series: stock numbers 13483, 13804, 13803, and 14123.

**Stock #15765; List Price: \$126.72 /
Essential Price: \$101.38 / Premium Price: \$88.70**

[Learn more](#)



Putting Essential Understanding into Practice 9-12 Bundle

You will receive three titles from this series: stock numbers 14346, 14547, 14546.

**Stock #15766; List Price: \$101.57 /
Essential Price: \$81.26 / Premium Price: \$71.10**

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Topic Bundles

The following bundles are two-book sets that each pair a volume from the Essential Understanding series with its matching volume in the Putting Essential Understanding into Practice series.

Addition and Subtraction Pre-K-2

Stock #15014, List Price: \$66.41 /
Essential Price: \$53.13 / Premium Price: \$46.49

[Learn more](#)



Fractions 3-5

Stock #15015, List Price: \$65.45 /
Essential Price: \$52.36 / Premium Price: \$45.82

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Multiplication and Division 3-5

Stock #15016, List Price: \$66.40 /
Essential Price: \$53.12 / Premium Price: \$46.47

[Learn more](#)



Functions 9-12

Stock #15013, List Price: \$70.25 /
Essential Price: \$56.20 / Premium Price: \$49.18

[Learn more](#)



Reasoning and Sense Making in the Mathematics Classroom Series

MICHAEL T. BATTISTA, SERIES EDITOR

This engaging new series applies current research on student learning to help teachers better understand, monitor, and guide the development of students' reasoning and sense making about the core ideas in elementary and middle school mathematics. Through classroom vignettes, instructional tasks, and learning progressions, this series illustrates how reasoning and sense making about particular mathematical topics develop, and how instruction can support students in that development.

Pre-K-Grade 2

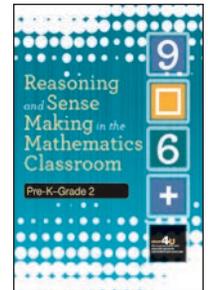
MICHAEL T. BATTISTA, ARTHUR J. BAROODY,
AND ANA STEPHENS WITH MARIA BLANTON

Each chapter of this title explores a different topic that young children encounter in mathematics, demonstrating with actual student work and classroom dialogue how their mathematical knowledge and reasoning ability move through "levels of sophistication" or learning progressions. Not just a theoretical discussion, the book also provides specific suggestions for related instructional activities for each topic.

2016, Stock #14310, 160 pages, ISBN 978-0-87353-702-5

List Price: \$25.95 / Essential Price: \$20.76 / Premium Price: \$18.17

[Learn more](#)



Grades 3-5

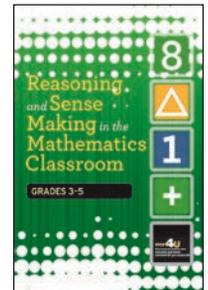
MICHAEL T. BATTISTA, JAE MEEN BAEK,
KATHLEEN CRAMER, AND MARIA BLANTON

Students who can make sense of mathematical ideas can apply those ideas in problem solving, even in unfamiliar situations, and can use them as a foundation for future learning. This new title is designed to help classroom teachers understand, monitor, and guide the development of students' reasoning and sense making about core ideas in elementary school mathematics by illustrating the nature of these skills through classroom vignettes, actual student work, and suggested instructional tasks.

2017, Stock #14311, 152 pages, ISBN 978-0-87353-703-2

List Price: \$25.95 / Essential Price: \$20.76 / Premium Price: \$18.17

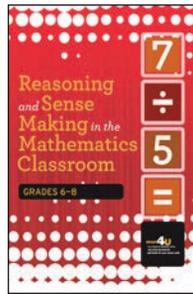
[Learn more](#)



NEW | Grades 6–8

MICHAEL T. BATTISTA, KATHLEEN CRAMER,
ANA STEPHENS, ERIC KNUTH, JANE M.
WATSON

This title is designed to help classroom teachers understand, monitor, and guide the development of students' reasoning and sense making about core ideas in middle school mathematics by illustrating the nature of these skills through classroom vignettes, actual student work, and suggested instructional tasks.



2017, Stock #14312, 166 pages, ISBN 978-0-87353-704-9

List Price: \$25.95 / Essential Price: \$20.76 / Premium Price: \$18.17

[Learn more](#)

Taking Action: Implementing Effective Mathematics Teaching Practices Series

MARGARET SMITH, SERIES EDITOR

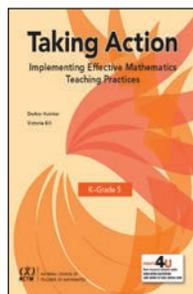
NCTM's newest series builds on the practice-based approach and eight Effective Mathematics Teaching Practices presented in *Principles to Actions* (2014) and the subsequent *Principles to Actions* toolkit.

The Taking Action series includes three grade-band books: K–grade 5, grades 6–8, and grades 9–12. Each book presents a coherent set of professional learning experiences, with the specific goal of fostering teachers' development of the effective mathematics teaching practices. The books also give connections to resources in research and equity, with special attention given to issues of equity, access, and identity.

K–Grade 5

DEANN HUINKER AND VICTORIA BILL

Better understand the Effective Mathematics Teaching Practices in *Principles to Actions* and improve your ability to apply those practices in your classroom. Two types of activities run throughout the book: Analyzing Teaching and Learning, where tasks or situations are presented to the reader to consider, work out, and reflect on; and Taking Action in Your Classroom, where concrete suggestions are provided for exploring specific teaching practices in the classroom. A variety of tools—such as a lesson plan template, a task analysis guide, and five practices for orchestrating productive discussions—are included.



2017, Stock #15187, 314 pages, ISBN 978-0-87353-969-2

List Price: \$37.95 / Essential Price: \$30.36 / Premium Price: \$26.57

[Learn more](#)

Grades 6–8

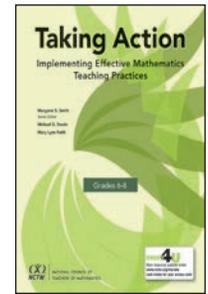
MARGARET SMITH, MICHAEL STEELE, AND
MARY LYNN RAITH

This Taking Action series book examines in depth what applying the Effective Mathematics Teaching Practices would look like in a middle school classroom, with narrative cases, classroom videos, and real student work, presenting a rich array of experiences that bring the practices to life.

2017, Stock #15200, 240 pages, ISBN 978-0-87353-975-3

List Price: \$37.95 / Essential Price: \$30.36 / Premium Price: \$26.57

[Learn more](#)

**Grades 9–12**

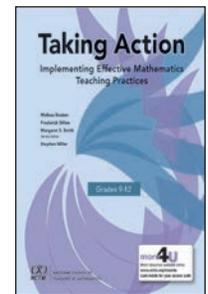
MELISSA BOSTON, FREDERICK DILLON,
MARGARET SMITH, AND STEPHEN MILLER

This high school offering in the Taking Action series provides a coherent set of professional learning experiences designed to foster teachers' understanding of the Effective Mathematics Teaching Practices and their ability to apply those practices in their own classrooms.

2017, Stock #15201, 260 pages, ISBN 978-0-87353-976-0

List Price: \$37.95 / Essential Price: \$30.36 / Premium Price: \$26.57

[Learn more](#)



Teaching and Learning Mathematics Series

FRANK K. LESTER JR., SERIES EDITOR

Written by recognized experts, each chapter in these books presents ideas from research—in easy-to-understand language—that will help you enhance the quality of your teaching. Each book includes a “How to Use This Book” section that provides specifics for professional development workshops and policy.

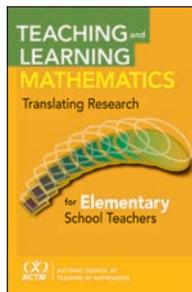
Translating Research for Elementary School Teachers

EDITED BY DIANA V. LAMBDIN

2010, Stock #13774, 80 pages, ISBN 978-0-87353-652-3

List Price: \$20.95 / Essential Price: \$16.76 / Premium Price: \$14.67

[Learn more](#)



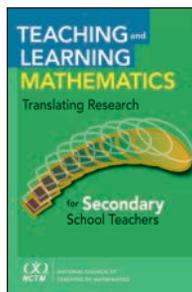
Translating Research for Secondary School Teachers

EDITED BY JOANNE LOBATO

2010, Stock #13775, 80 pages, ISBN 978-0-87353-653-0

List Price: \$20.95 / Essential Price: \$16.76 / Premium Price: \$14.67

[Learn more](#)



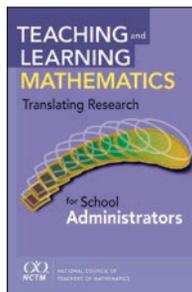
Translating Research for School Administrators

EDITED BY RANDALL I. CHARLES

2010, Stock #13520, 34 pages, ISBN 978-0-87353-637-0

List Price: \$18.95 / Essential Price: \$15.16 / Premium Price: \$13.26

[Learn more](#)



Teaching Mathematics through Problem Solving Series

EDITED BY HAROLD L. SCHOEN

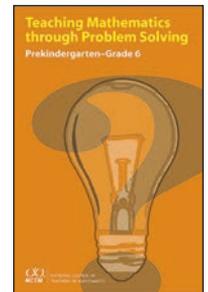
These volumes furnish the coherence and direction that teachers need to use problem solving to teach mathematics.

Pre-K-6

2003, Stock #12576, 269 pages, ISBN 978-0-87353-540-3

List Price: \$42.95 / Essential Price: \$34.36 / Premium Price: \$30.07

[Learn more](#)



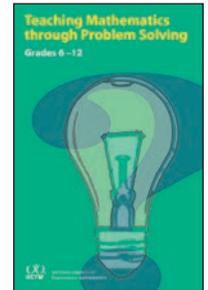
Grades 6-12

Express shipping not available. (Print On Demand)

2003, Stock #15012, 270 pages, ISBN 978-0-87353-541-0

List Price: \$42.95 / Essential Price: \$34.36 / Premium Price: \$30.07

[Learn more](#)



Yearbooks

Motivation and Disposition: Pathways to Learning Mathematics 73rd Yearbook (2011)

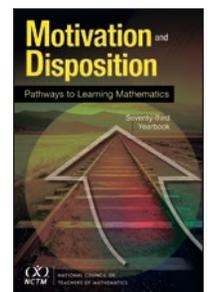
EDITED BY DANIEL J. BRAHIER; WILLIAM R. SPEER, GENERAL EDITOR

Individual articles from yearbooks are available for purchase for PDF download online. Please see the “Related Products” section of each title on NCTM’s online store for available chapter downloads. For more information, go to nctm.org/catalog. Please note: These products can be purchased only through NCTM’s online catalog. Non-Web payment methods, such as POs, cannot be used to purchase these items. If you have any questions please call NCTM’s Customer Care Department at (800) 235-7566.

2011, Stock #13864, 303 pages, ISBN 978-0-87353-661-5

List Price: \$58.95 / Essential Price: \$47.16 / Premium Price: \$41.27

[Learn more](#)



Your Mathematics Standards Companion: What They Mean and How to Teach Them Series

Copublished with Corwin Press

This series shows teachers in an instant how teaching to particular state standards should look and sound in the classroom. Authors provide a cross-referencing index for states implementing their own specific math standards, showing which are the same as the CCSSM and which are different—and how they differ.

NEW | K-2

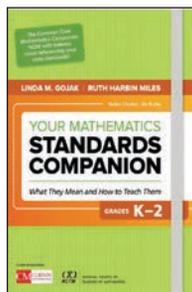
LINDA M. GOJAK AND RUTH HARBIN MILES

2017, Stock #15461, 288 pages, ISBN 978-1-5063-8223-4

List Price: \$34.95 / Essential Price: \$27.96 /

Premium Price: \$24.47

[Learn more](#)



NEW | 3-5

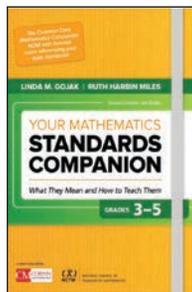
LINDA M. GOJAK AND RUTH HARBIN MILES

2017, Stock #15462, 360 pages, ISBN 978-1-5063-8224-1

List Price: \$34.95 / Premium Price: \$27.96 /

Essential Price: \$24.47

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NEW | 6-8

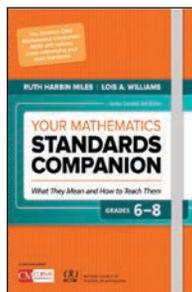
RUTH HARBIN MILES AND LOIS A. WILLIAMS

2017, Stock #15463, 336 pages, ISBN 978-1-5063-8225-8

List Price: \$34.95 / Essential: \$27.96 /

Premium Price: \$24.47

[Learn more](#)



NEW | 9-12

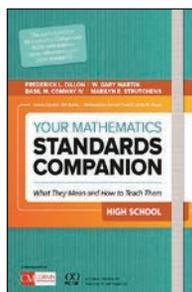
FREDERICK L. DILLON, W. GARY MARTIN,
BASIL M. CONWAY IV, AND MARILYN E.
STRUTCHENS

2018, Stock #15559, 536 pages, ISBN 978-1-54431-740-3

List Price: \$36.95 / Essential Price: \$29.56 /

Premium Price: \$25.87

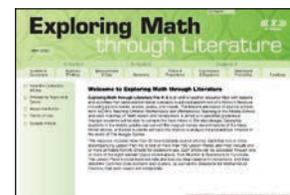
[Learn more](#)



Digital Product

Exploring Math through Literature, Pre-K-8

This online teacher resource is filled with lessons and activities that teach mathematical concepts while engaging students in a broad assortment of children's literature, including picture books, stories, poetry, and novels. The lessons are based on journal articles from NCTM's *Teaching Children Mathematics* and *Mathematics Teaching in the Middle School*, and each matching of math lesson and work of literature is aimed at a specified grade level.



2017, Stock #14507

List Price: \$24.95 / Essential Price: \$19.96 / Premium Price: \$17.47

[Learn more](#)

Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards-Based Classroom, Third Edition

MARIAN SMALL

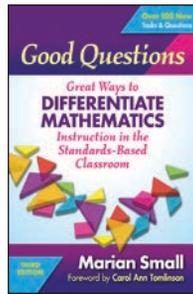
Copublished with Teachers College Press

The third edition of this best-selling resource has been expanded with over 100 new tasks and questions, and it helps experienced and novice teachers to effectively and efficiently differentiate mathematics instruction in K–grade 8. This volume includes key changes that will make it easier for teachers to use in all quality state standards environments, including direct links to Common Core content standards and the Standards for Mathematical Practice.

2017, Stock #15474, 304 pages, ISBN 978-8-80775-854-0

List Price: \$34.95 / Essential Price: \$27.96 / Premium Price \$24.47

[Learn more](#)

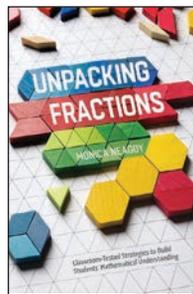


Unpacking Fractions: Classroom-Tested Strategies to Build Students' Mathematical Understanding

MONICA NEAGOY

Copublished with the Association for Supervision and Curriculum Development

This title addresses seven big ideas in the teaching and learning of fractions in grades 2–6. Each idea is supported by a vignette from a real classroom, common misconceptions, a thorough unpacking of productive mathematical thinking, and several multistep and thought-provoking problems for teachers to explore.



“Sometimes you read a book and just want to shout ‘Bravo!’ That is my reaction to Monica Neagoy’s *Unpacking Fractions* which could just as well have been subtitled ‘what every 3rd through 6th grade teacher of mathematics needs to know about helping their students really make sense of fractions.’”

—STEVE LEINWAND, American Institutes for Research

2017, Stock #15368, 280 pages, ISBN 978-1-4166-2123-2

List Price: \$38.95 / Essential Price: \$31.16 / Premium Price \$27.27

[Learn more](#)

Building Proportional Reasoning Across Grades and Math Strands, K–8

MARIAN SMALL

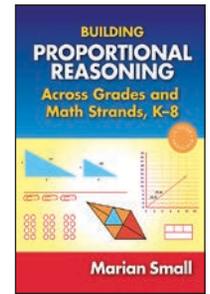
Copublished with Teachers College Press

Introducing students to the basic ideas of proportional reasoning in the early grades helps them develop skills for working with ratios, percentages, and complex representations in grade 6 and beyond. This book provides examples and questions that help teachers present early concepts, such as unitizing, in ways that build understanding of more complex ideas, such as ratios.

2015, Stock #15031, 128 pages, ISBN 978-0-80775-660-7

List Price: \$26.95 / Essential Price: \$21.56 / Premium Price: \$18.86

[Learn more](#)



It's Elementary: A Parent's Guide to K–5 Mathematics

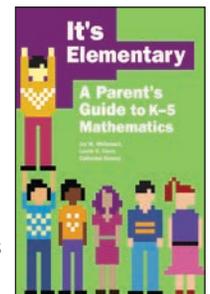
JOY W. WHITENACK, LAURIE O. CAVEY, AND CATHERINE HENNEY

Help Parents Effectively Participate in Their Children's Math Education. Parents are sometimes baffled by the way elementary mathematics is taught in today's classrooms. This book reintroduces them to the subject, discussing not only the “how” of today's teaching methods but also the “why.” It provides insights into children's thinking and development through the early grades, as well as information on helping with homework, engaging children in math at home, and participating in children's math education.

2015, Stock #14309, 228 pages, ISBN 978-0-87353-701-8

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price \$19.56

[Learn more](#)



Mastering Basic Math Skills: Games for Kindergarten through Second Grade

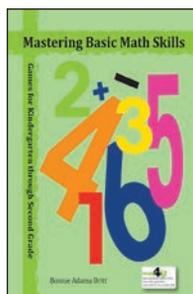
BONNIE ADAMA BRITT

Can children develop better math skills and deeper understanding of mathematical concepts and have fun at the same time? Absolutely! Children need lots of practice to learn new concepts and math facts, and games keep them engaged. Designed for use in the classroom and at home, this book gives access to downloadable materials—and all the games are correlated with the Common Core State Standards of mathematics.

2014, Stock #14307, 220 pages, ISBN 978-0-87353-757-5

List Price: \$28.95 / Essential Price: \$23.16 / Premium Price \$20.26

[Learn more](#)



Mastering Basic Math Skills: Games for Third through Fifth Grade

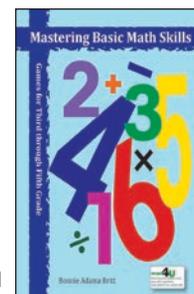
BONNIE ADAMA BRITT

Fractions, decimals, integers. . . Children in third through fifth grade encounter new types of numbers and new concepts and need to develop skills to meet these challenges. Can they also have fun? Absolutely! Math games keep children engaged while providing the enormous amounts of practice they need to learn new concepts and skills. This book provides access to a variety of downloadable materials, including fraction sums cards, game boards, and recording sheets. All the games are correlated with the Common Core State Standards.

2015, Stock #14508, 276 pages, ISBN 978-0-87353-758-2

List Price: \$40.95 / Essential Price: \$32.76 / Premium Price \$28.67

[Learn more](#)



Transforming the Task with Number Choice, Kindergarten through Grade 3

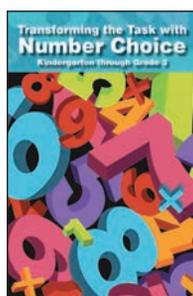
TONIA J. LAND, COREY DRAKE, MOLLY SWEENEY, NATALIE FRANKE, AND JENNIFER M. JOHNSON

The enduring challenge for every teacher is providing individual and responsive learning experiences for every student. This book presents a powerful tool that will help you meet the needs and strengths of all learners, address multiple content and practice standards, and create rich and worthwhile tasks. The authors provide practical strategies, advice on adapting curricular resources, and downloadable materials.

2015, Stock #14571, 110 pages, ISBN 978-0-87353-742-1

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price \$19.56

[Learn more](#)



Mathematics Lessons Learned from Across the World, Prekindergarten–Grade 8

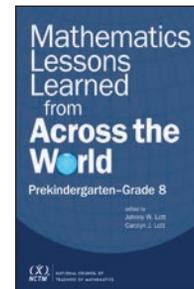
JOHNNY W. LOTT AND CAROLYN LOTT

Mathematics—the universal language—is the only language that all people share in the same way, regardless of culture, religion, or gender. This unusual book features classroom-tested activities from around the world for students from prekindergarten through grade 8 and showcases concepts discussed in Korea at the twelfth International Congress on Mathematical Education (ICME), held in 2012. Activities were selected to exemplify a standard or guideline of a particular country, and, where possible, those standards are noted along with the Common Core State Standards for Mathematics in the United States. Activities are organized by the age-level designation of the originating country as well as by content, if there is more than one activity in a content area.

2014, Stock #14574, 103 pages, ISBN 978-0-87353-744-5

List Price: \$24.95 / Essential Price: \$19.96 / Premium Price \$17.47

[Learn more](#)



Exploring Mathematics through Play in the Early Childhood Classroom

AMY NOELLE PARKS

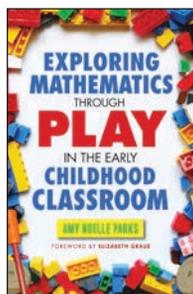
Copublished with Teachers College Press

This practical book guides preservice and in-service teachers in understanding how young children can learn math through play. The author addresses Common Core State Standards to demonstrate the role of play in standards-based mathematics learning, and the book provides classroom examples of problems and strategies that students encounter in play.

2014, Stock #14995, 160 pages, ISBN 978-0-8077-5589-1

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price \$23.07

[Learn more](#)

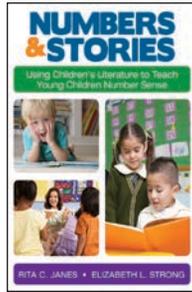


Numbers and Stories: Using Children's Literature to Teach Young Children Number Sense

RITA JANES AND ELIZABETH STRONG

Copublished with Corwin Press

Count on children's books to build number sense! Math and reading go hand in hand, especially among young children who are new to both. If you're looking for a surefire way to build number sense and reading skills at the same time, rely on this indispensable K-2 resource. Using children's books as a springboard for standards-based learning, it provides 22 detailed lessons, all ready for immediate implementation.



"This a great topic. With the push for application of math concepts to prepare for Common Core, this text will be a useful resource for teachers."

—CAROL A. AMOS, Principal, Danville School, Danville, Vermont

2014, Stock #13802, 209 pages, ISBN 978-1-48333-094-5

List Price: \$38.95 / Essential Price: \$31.16 / Premium Price \$27.27

[Learn more](#)

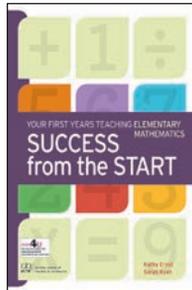
Success from the Start: Your First Years Teaching Elementary Mathematics

KATHY ERNST AND SARAH RYAN

"The authors have crafted a powerful and practical guide for every primary teacher who grapples with effective ways to implement high-quality mathematics instruction that works for all students."

—STEVE LEINWAND, American Institutes for Research

Rather than focusing on math activities, the book highlights how students learn math and the pedagogy behind it. Using vignettes, all based on real classroom discussions, the authors illustrate effective teaching practices to support math learning. Chapters about the lesson-cycle come from conversations that teachers had when they planned, enacted, and reflected on a lesson. This book will act as a supportive and reassuring companion that you can return to throughout your journey as an elementary mathematics teacher.



2014, Stock #13954, 269 pages, ISBN 978-0-87353-678-3

List Price: \$43.95 / Essential Price: \$35.16 / Premium Price \$30.77

[Learn more](#)

The Elementary Mathematics Specialist's Handbook

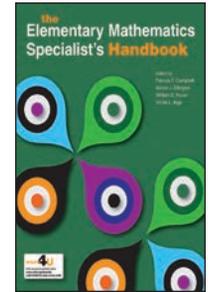
EDITED BY PATRICIA F. CAMPBELL, AIMEE J. ELLINGTON, WILLIAM E. HAVER, AND VICKIE L. INGE

This handbook has been developed as a resource for the mathematics specialist whose central role is to facilitate and support the job-embedded professional development of elementary school classroom teachers. This role includes coaching individual teachers, coaching small groups or grade-level teams of teachers, providing programmatic leadership for mathematics in the school, collaborating with and supporting other resource teachers, and serving as the face of the school's mathematics program. This handbook explores how mathematics specialists can be effective in all these areas.

2013, Stock #14302, 264 pages, ISBN 978-0-87353-699-8

List Price: \$41.95 / Essential Price: \$33.56 / Premium Price \$29.37

[Learn more](#)



High-Yield Routines for Grades K-8

ANN MCCOY, JOANN BARNETT, AND EMILY COMBS

Boost student participation and proficiency with high-yield, effective mathematical routines.

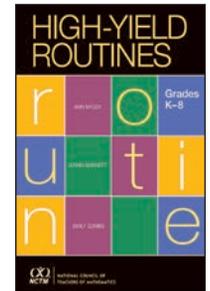
"The easily implemented routines suggested in [this book] will provide teachers with opportunities to enhance the content knowledge and mathematical practices of their students. Classroom vignettes, from a variety of grade levels, illustrate how the routines may be used effectively across many grade levels, and the student work included provides a picture of what teachers might expect from students. This book will prove to be a valuable resource for teachers both new and experienced."

—TERRY GOODMAN, Concordia College

2013, Stock #14405, 86 pages, ISBN 978-0-87353-719-3

List Price: \$24.95 / Essential Price: \$19.96 / Premium Price \$17.47

[Learn more](#)



Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

MARIAN SMALL

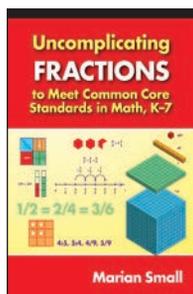
Copublished with Teachers College Press

This accessible book provides math teachers with support for differentiated instruction. Math coaches can use it to assist teachers with their transition to the Common Core State Standards. All teachers will find it helpful to see the mathematical fraction learning that precedes and follows the grades they teach. This book is also an excellent text for preservice teachers as they prepare to understand and teach math with a deep level of understanding.

2013, Stock #14817, ISBN 978-0-80775-485-6

List Price: \$26.95 / Essential Price: \$21.56 / Premium Price \$18.86

[Learn more](#)



Eyes on Math: A Visual Approach to Teaching Math Concepts

MARIAN SMALL

Copublished with Teachers College Press

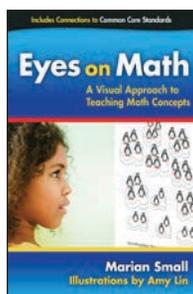
“This book provides a way for both teachers and students to get used to talking about mathematics in nonthreatening, open-ended ways. The author’s friendly explanations of the mathematical ideas the pictures are intended to surface give teachers who are less confident about the conceptual aspects of mathematics the support they need to facilitate less-scripted mathematical discourse with their students.”

—LUCY WEST, Education Consultant

2012, Stock #14573, 230 pages, ISBN 978-0-80775-391-0

List Price: \$29.95 / Essential Price: \$23.96 / Premium Price \$20.97

[Learn more](#)



Cowboys Count, Monkeys Measure, and Princesses Problem Solve

JANE M. WILBURNE, JANE B. KEAT, AND MARY P. NAPOLI

Copublished with Paul H. Brookes Publishing

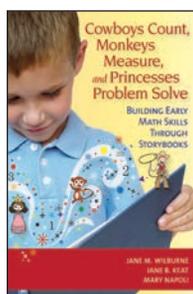
“Powerfully affirmative to teachers who may feel less comfortable teaching math than reading . . . equally appealing to teachers who are math gurus and those who are less confident in their math skills.”

—SALLY MOOMAW, Assistant Professor of Early Childhood Education, University of Cincinnati

2011, Stock #14317, 136 pages, ISBN 978-1-59857-106-6

List Price: \$24.95 / Essential Price: \$19.96 / Premium Price \$17.47

[Learn more](#)



Smarter Together! Collaboration and Equity in the Elementary Math Classroom

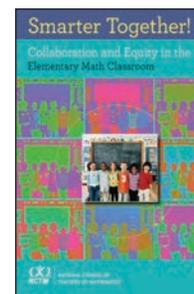
HELEN FEATHERSTONE, SANDRA CRESPO, LISA M. JILK, JOY A. OSLUND, AMY NOELLE PARKS, AND MARCY B. WOOD

Complex Instruction (CI) is a set of ideas and strategies that avoid the problems while creating powerful group learning experiences for children. CI is a set of ideas and strategies that address the problems that confound group work but create powerful learning for children. This book offers guidance to readers on how to use these strategies and ideas. The authors describe the lessons they learned using group work, explain how complex instruction helps unsuccessful students, and analyze how to design assignments that support group learning—using groupworthy tasks—giving readers examples of good tasks and help in adapting math problems from their own curricula.

2011, Stock #13785, 147 pages, ISBN 978-0-87353-656-1

List Price: \$38.95 / Essential Price: \$31.16 / Premium Price \$27.27

[Learn more](#)



Visible Thinking in the K-8 Mathematics Classroom

TED H. HULL, DON S. BALKA, AND RUTH HARBIN MILES

Copublished with Corwin Press

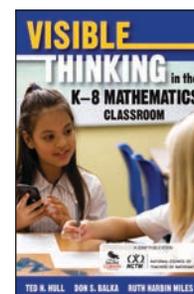
“This book is a crucial tool for meeting NCTM mathematical content and process standards. Through the useful problems and strategies presented within, teachers will definitely know how well their students will comprehend. If comprehension is an issue in your class, this book is a must-have!”

—THERESE GESSLER RODAMMER, Math Coach, Thomas W. Dixon Elementary School, Staunton, Virginia

2011, Stock #14124, 164 pages, ISBN 978-1-41299-205-3

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price \$22.37

[Learn more](#)



Young Mathematicians at Work: Constructing Algebra

CATHERINE TWOMEY FOSNOT AND BILL JACOB

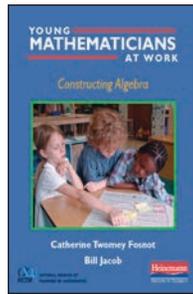
Copublished with Heinemann-Raintree

Provides a landscape of learning that helps teachers recognize, support, and celebrate their students' capacity to structure their worlds algebraically. The book identifies the models, contexts, and landmarks that facilitate algebraic thinking in young students and provides insightful and practical methods for teachers, math supervisors, and curriculum coordinators.

2010, Stock #13736, 224 pages, ISBN 978-0-325-02841-5

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price \$23.07

[Learn more](#)



Algebra in the Early Grades

EDITED BY JAMES KAPUT, DAVID CARRAHER,
AND MARIA BLANTON

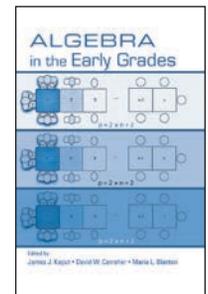
“This is the only book that specifically addresses research on early algebra. It provides a nice mix of both conceptual/theoretical and practice-based chapters. Given the national attention that early algebra is receiving, this book is sorely needed.”

—ERIC KNUTH, University of Wisconsin–Madison

2007, Stock #13213, 552 pages, ISBN 978-0-8058-5473-2

List Price: \$69.95 / Essential Price: \$55.96 / Premium Price \$48.97

[Learn more](#)



Mathematics Teacher: Learning and Teaching Pre-K-12

NCTM's newest journal, ***Mathematics Teacher: Learning and Teaching Pre-K-12 (MTLT)***, now seeks submissions for publication beginning in January 2020. ***MTLT*** will publish articles that reflect the current practices of mathematics education and will maintain a knowledge base of practice and policy that looks toward the future of the field. The journal will be enhanced through the use of digital content, making the submission of manuscripts that include multimedia components a high priority. Content will support the enhancement and improvement of mathematics teaching and learning for each and every learner from preschool to grade 12.

The ***MTLT*** Editorial Board is interested in considering your manuscripts for publication. For manuscript calls and detailed submission information, visit nctm.org. If you are ready to submit a manuscript, access <https://mc04.manuscriptcentral.com/mtltpk12>

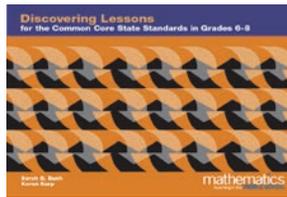


NATIONAL COUNCIL OF
TEACHERS OF MATHEMATICS

Discovering Lessons for the Common Core State Standards in Grades 6-8

SARAH B. BUSH AND KAREN KARP

This highly useful book, edited by leading teacher educators, provides ready-made alignment with high-quality, peer-reviewed, engaging activities for use with middle school students. The book provides a timely resource to preservice and in-service teachers that will help ensure that they are using activities that align with the CCSSM content standards and the Standards for Mathematical Practice that they are aiming to successfully address in their classroom. All articles have been selected from NCTM's award-winning journal for middle-grades teachers, *Mathematics Teaching in the Middle School*. *Note:* This is only available as an eBook.



2014, Stock #14586, 134 pages, ISBN 978-0-87353-843-5

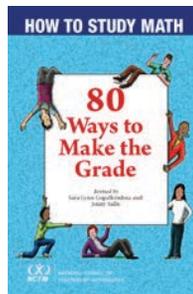
List Price: \$6.99 / Essential Price: \$5.59 / Premium Price: \$4.89

[Learn more](#)

How to Study Math: 80 Ways to Make the Grade

SARA-LYNN GOPALKRISHNA AND JENNY SALLS

This book's ideas and strategies can be used by teachers or parents to guide the middle school student from insecure bystander to confident achiever in math class. For students already working at high-achieving levels, the tips and techniques will help them develop even more efficient and effective study habits and test-taking skills.



2014, Stock #14109, 70 pages, ISBN 978-0-87353-686-8

List Price: \$9.95 / Essential Price: \$7.96 / Premium Price: \$6.96

[Learn more](#)

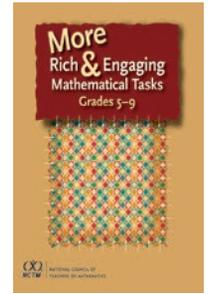
More Rich and Engaging Mathematical Tasks

This eBook-only companion to *Rich and Engaging Mathematics Tasks, Grades 5-9* (NCTM #15651) contains more than 50 additional articles and tasks! A valuable resource to any mathematics teacher, this rich collection of mathematical tasks will enliven students' engagement in mathematical thinking and reasoning and help them succeed in the classroom. *Note:* This is only available as an eBook.

2012, Stock #14374, 301 pages, ISBN 978-0-87353-722-3

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price: \$23.07

[Learn more](#)



Rich and Engaging Mathematical Tasks: Grades 5-9

EDITED BY GLENDA LAPPAN

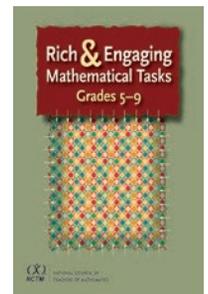
Express shipping not available. (Print On Demand)

This book, a collection of carefully selected articles from past issues of NCTM journals, includes activities for teachers to use with their students to promote an understanding of the mathematical content. Articles are arranged in content strands and ordered within a strand to promote the development of important areas of mathematics. These key areas are all highlighted in the Common Core State Standards for Mathematics (CCSSM) as important for students' progress in mathematics. Each section of the book highlights articles on a key area of mathematics featured in CCSSM. A valuable resource for any mathematics teacher, this rich collection of mathematical tasks will enliven students' engagement in mathematical thinking and reasoning and help them succeed in the classroom.

2012, Stock #15651, 301 pages, ISBN 978-0-87353-633-2

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



Reasoning and Sense-Making Problems and Activities for Grades 5–8

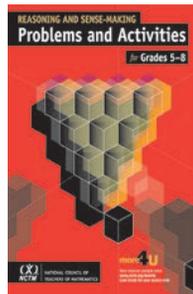
ELIZABETH D. PHILLIPS AND JUDITH S. ZAWOJEWSKI

This book is a collection of the best of NCTM's Addenda Series, grades 5–8, and includes problems and examples that represent critical content for today's middle school curriculum. The problems focus on four key practices: roles of representation, generalization, problem solving, and connections in mathematics learning and teaching. The chapters show each problem with a goal statement, a list of needed materials, possible solutions, teacher's notes, and ideas for extensions. Teacher's notes include the problem's mathematical goals, key information for implementing the problem, elaboration on students' possible strategies, and sample questions and answers. An appendix provides reproducible blackline masters, which can also be found online and downloaded from NCTM's More4U site.

2011, Stock #13497, 176 pages, ISBN 978-0-87353-632-5

List Price: **\$37.95** / Essential Price: **\$30.36** / Premium Price: **\$26.57**

[Learn more](#)



The Peak in the Middle: Developing Mathematically Gifted Students in the Middle Grades

EDITED BY MARK SAUL, SUSAN ASSOULINE, AND LINDA JENSEN SHEFFIELD

Copublished with the National Association for Gifted Children and the National Middle School Association

Good teaching is responsive to individual differences, tailoring instruction to meet the needs of individual learners. In gifted education, students need a curriculum that is differentiated, developmentally appropriate, and conducted at a rapid pace. Chapters from experts in the field address the needs that educational institutions have in serving their gifted students. Topics include policy and philosophy, program models, and supplemental materials.

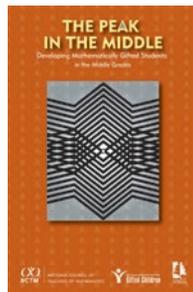
This new book highlights similarities as well as differences between gifted and other students.... The authors offer many ideas about the advantages and drawbacks of different accommodations, challenges in articulation, issues of equity, and other countries' approaches—all with an eye to keeping our mathematically talented middle school students engaged and interested in mathematics. We cannot afford to lose these students at a time in their lives when they are developing interests and understanding that will guide their decisions for a lifetime.

—HANK KEPNER, Past President, National Council of Teachers of Mathematics

2010, Stock #13519, 188 pages, ISBN 978-0-87353-634-9

List Price: **\$38.95** / Essential Price: **\$31.16** / Premium Price: **\$27.27**

[Learn more](#)



Mathematics for Every Student, Responding to Diversity, Grades 6–8

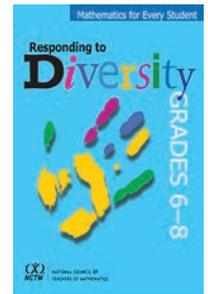
EDITED BY CAROL E. MALLOY

Discover ways to support high-quality mathematics learning for diverse populations in the classroom. Diversity can come in various forms, and students come with a range of needs, backgrounds, expertise, and experience. Connect real-life to mathematical concepts with these ready-to-implement strategies from teachers who have worked with different teaching techniques.

2008, Stock #13409, 118 pages, ISBN 978-0-87353-612-7

List Price: **\$25.95** / Essential Price: **\$20.76** / Premium Price: **\$18.17**

[Learn more](#)



Activities for Junior High School and Middle School Mathematics, Vol. 2

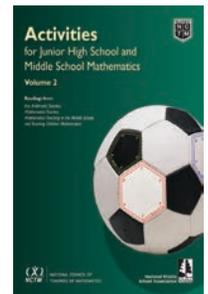
COMPILED BY KENNETH E. EASTERDAY, F. MORGAN SIMPSON, AND TOMMY SMITH

Activities are one means of connecting both the various strands of mathematics with one another and mathematics with other disciplines. This compilation of articles from NCTM journals includes strands on problem solving, reasoning, number relationships, statistics, and more.

1999, Stock #690, 391 pages, ISBN 978-0-87353-465-9

List Price: **\$36.95** / Essential Price: **\$29.56** / Premium Price: **\$25.87**

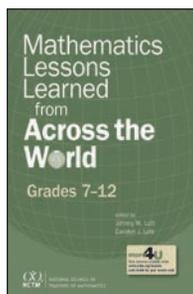
[Learn more](#)



Mathematics Lessons Learned from Across the World, Grades 7-12

JOHNNY W. LOTT AND CAROLYN J. LOTT

This book rounds out a pair of unusual activity books designed to heighten awareness of international perspectives on mathematical education. It features activities from around the world for students ages 13-18, complementing the companion book's activities for students ages 5-13. The activities are ordered by age level, and activity sheets are available for download in a classroom-ready format at NCTM's More4U website.



2015, Stock #14575, 112 pages, ISBN 978-0-87353-746-9

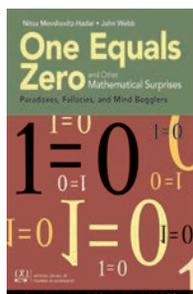
List Price: \$24.95 / Essential Price: \$19.96 / Premium Price: \$17.47

[Learn more](#)

One Equals Zero and Other Mathematical Surprises

NITSA MOVSHOVITZ-HADAR AND JOHN WEBB

One equals zero! Every number is greater than itself! All triangles are isosceles! Surprised? Welcome to the world of One Equals Zero and Other Mathematical Surprises. Each paradox, fallacy, and mind boggler in this book will challenge high school students at any skill level, encourage them to look at familiar mathematical situations in a new light, and help them better understand both the possibilities and the limitations of mathematics. This book helps you transform mathematical errors and quandaries into positive learning experiences. Along the way you'll encourage your students to see that the development of mathematical skill is a process of creative struggle and spirited debate. Includes one- and two page activities, teacher notes, a matrix of key concepts, and a list of recommended reading guides. Originally published by Key Curriculum Press



2013, Stock #14553, 168 pages, ISBN 978-0-87353-740-7

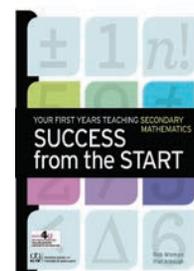
List Price: \$28.95 / Essential Price: \$23.16 / Premium Price: \$20.26

[Learn more](#)

Success from the Start: Your First Years Teaching Secondary Mathematics

ROB WIEMAN AND FRAN ARBAUGH

Though you may envision your classroom as a place where students engage with mathematics and learn important content, you may also worry about how your teaching will actually play out—how you and your students will interact and what they will learn. Based on classroom observations and interviews with seasoned and beginning teachers, this book offers valuable suggestions to improve your teaching and your students' opportunities to learn. The authors explore both the visible and invisible aspects of teaching and offer proven strategies to make the work meaningful—not merely manageable. Success from the start means being prepared from the start. This book not only teaches you how to be an effective math teacher but also gives you the tools to do it well.



2013, Stock #13952, 242 pages, ISBN 978-0-87353-673-8

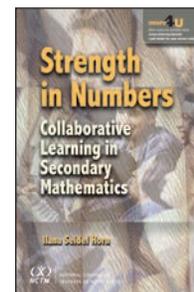
List Price: \$41.95 / Essential Price: \$33.56 / Premium Price: \$29.37

[Learn more](#)

Strength in Numbers: Collaborative Learning in Secondary Mathematics

ILANA SEIDEL HORN

Students who work together succeed together. Isn't that every teacher's goal? Written by a seasoned teacher, researcher, and teacher educator with more than two decades of teaching experience, this book supports teachers in developing tools for effective group work in their secondary mathematics classrooms. It outlines ways to choose tasks and help students adjust to new ways of approaching schoolwork, and it discusses the types of status problems that can impede the most earnest attempts at collaborative learning. This practical, useful book introduces tested tools and concepts for creating equitable, collaborative learning environments that support all students and develops their confidence in their mathematical ability.



2012, Stock #13791, 100 pages, ISBN 978-0-87353-663-9

List Price: \$29.95 / Essential Price: \$23.96 / Premium Price: \$20.97

[Learn more](#)

More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction

MARIAN SMALL AND AMY LIN

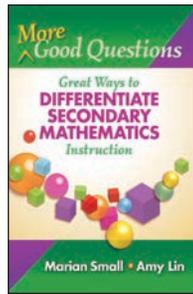
Copublished with Teachers College Press

This best-selling resource offers almost 300 questions and tasks that teachers and coaches can adopt immediately, adapt, or use as models to create their own. It also includes sidebars with teaching tips and an organizing template at the end of each chapter.

2010, Stock #13782, 216 pages, ISBN 978-0-8077-5088-9

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price: \$22.37

[Learn more](#)



Tasks and Competencies in the Teaching and Learning of Algebra

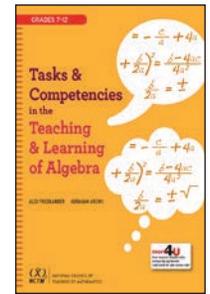
ALEX FRIEDLANDER AND ABRAHAM ARCAVI

This book provides 48 classroom-ready tasks that will enable students learning algebra in grades 7–12 to truly understand the concepts underlying the problems they are solving. The tasks focus on algebraic expressions, equations, and functions, followed by ones that integrate several mathematical concepts. All tasks are also available for readers at NCTM's More4U website as downloadable and printable worksheets to hand out to students.

2017, Stock #14614, 260 pages, ISBN 978-0-87353-934-7

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price: \$22.37

[Learn more](#)



Mathematics for Every Student, Responding to Diversity, Grades 9–12

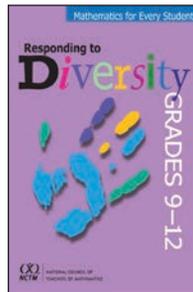
EDITED BY CAROL E. MALLOY

Discover ways to support high-quality mathematics learning for diverse populations in the classroom. Diversity can come in various forms, and students come with a range of needs, backgrounds, expertise, and experience. Connect real-life experiences to mathematical concepts with these ready-to-implement strategies from teachers who have experimented with different teaching techniques.

2009, Stock #13410, 118 pages, ISBN 978-0-87353-613-4

List Price: \$25.95 / Essential Price: \$20.76 / Premium Price: \$18.17

[Learn more](#)



Recipes You Can Count On

Could there be a better—or more delicious—way to prove the case that math is a basic fact of our everyday lives than with a cookbook?



“Perhaps the food ideas here will lead you on mental journeys. . . You may find along the way that not only is measurement important but, as in any good mathematics classroom, explorations and creativity are encouraged.”

—JOHNNY W. LOTT

The sales of this product benefit Mathematics Education Trust (MET) programs. We thank you for your support!

2014, Stock #14784, 166 pages, ISBN 978-0-87353-763-6

List Price: \$25.00 / Essential Price: \$20.00 /

Premium Price: \$17.50

[Learn more](#)

Statistical Questions from the Classroom

J. MICHAEL SHAUGHNESSY AND BETH CHANCE

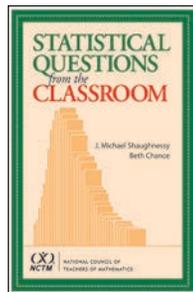
Express shipping not available. (Print On Demand)

This little book presents eleven short discussions of some of the most frequently asked questions about statistics—questions that are consistently raised by statistics students and by classroom teachers alike. The authors offer teachers of statistics some quick insights and support in understanding these issues and explaining the ideas to their own students. Examples and visual representations of the ideas are included.

2005, Stock #15783, 95 pages, ISBN 978-0-87353-582-3

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

[Learn more](#)



Common Core

	Page #	Pre-K-5	Grades 3-5	Grades 6-8	Grades 9-12
Administrator's Guide: Interpreting the Common Core State Standards to Improve Mathematics Education	37	●	●	●	●
Curriculum Issues in an Era of Common Core State Standards for Mathematics	37	●	●	●	●
Developing Literate Mathematicians: A Guide for Integrating Language and Literacy Instruction into Secondary Mathematics	37			●	●
High-Yield Routines for Grades K-8	37	●	●	●	

Developing Literate Mathematicians: A Guide for Integrating Language and Literacy Instruction into Secondary Mathematics

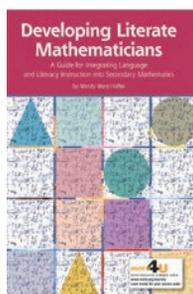
WENDY WARD HOFFER

How can we integrate literacy instruction authentically into mathematics content to support mathematical understanding? Busy secondary mathematics teachers who seek to respond to the needs of their students and the demands of the Common Core State Standards will welcome this book, which offers lively classroom examples, usable research, and specific ideas and resources. Enrich your students' understanding of mathematics by attending to reading, vocabulary, discourse, and writing through a workshop model.

2015, Stock #14522, 126 pages, ISBN 978-0-87353-728-5

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

[Learn more](#)



Curriculum Issues in an Era of Common Core State Standards for Mathematics

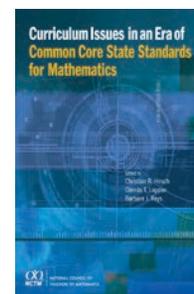
EDITED BY CHRISTIAN R. HIRSCH, GLENDA T. LAPPAN, AND BARBARA J. REYS

This volume furthers the goal of ensuring that teachers have opportunities to interact across grades in ways that help both teachers and their students see connections in schooling as they progress through the grades. Each section of this volume contains three companion chapters appropriate to three grade bands—K-5, 6-8, and 9-12—focusing on important curriculum issues related to understanding and implementing CCSSM.

2012, Stock #14319, 219 pages, ISBN 978-0-87353-705-6

List Price: \$37.95 / Essential Price: \$30.63 / Premium Price: \$26.57

[Learn more](#)



High-Yield Routines for Grades K-8

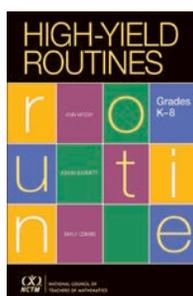
ANN MCCOY, JOANN BARNETT, AND EMILY COMBS

Boost student participation and proficiency with high-yield, effective mathematical routines. In this book, the authors present seven easily implemented mathematical routines that may be used effectively at a variety of grade levels and with a variety of mathematical content. The book also includes ideas for infusing mathematics into the nonmathematical routines that take time away from instruction.

2013, Stock #14405, 86 pages, ISBN 978-0-87353-719-3

List Price: \$24.95 / Essential Price: \$19.96 / Premium Price: \$17.47

[Learn more](#)



Administrator's Guide: Interpreting the Common Core State Standards to Improve Mathematics Education

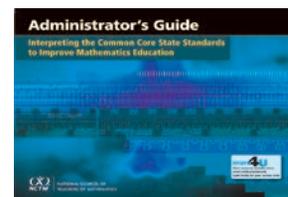
MATTHEW R. LARSON

Focusing on similarities between the new Common Core State Standards and those outlined in NCTM's influential *Principles and Standards for School Mathematics*, this handbook efficiently highlights reasoning processes that are essential in any high-quality mathematics program. Students who know these processes are set to "do math" in any context, real or abstract. Make the most of the rare opportunity that the Common Core State Standards offer for rethinking school mathematics and creating exciting new pathways from high school to college and beyond. Includes answers to "Frequently Asked Questions" and detailed lists of resources to support school mathematics programs.

2011, Stock #14288, 113 pages, ISBN 978-0-87353-695-0

List Price: \$23.95 / Essential Price: \$19.16 / Premium Price: \$16.76

[Learn more](#)



Assessment

	Page #	Pre-K-2	Grades 3-5	Grades 6-8	Grades 9-12
APME 2015: Assessment to Enhance Learning and Teaching	38	●	●	●	●
Mathematics Formative Assessment, Volume 2: 50 More Practical Strategies for Linking Assessment, Instruction, and Learning	38	●	●	●	●
Using Classroom Assessment to Improve Student Learning: Math Problems Aligned with NCTM and Common Core State Standards	38			●	
Using Formative Assessment to Differentiate Mathematics Instruction: Seven Practices to Maximize Learning	38		●	●	●

Mathematics Formative Assessment, Volume 2: 50 More Practical Strategies for Linking Assessment, Instruction, and Learning

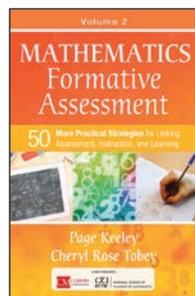
PAGE KEELEY AND CHERYL ROSE TOBEY

Copublished with Corwin Press

Good math teachers have a robust repertoire of strategies to move students' learning forward. This title helps you improve student outcomes with 50 all-new formative assessment classroom techniques (FACTS) that are embedded throughout a cycle of instruction. Descriptions of how the FACTS promote learning and inform teaching, including illustrative examples, support the inextricable link between instruction and learning.

2017, Stock #15387, 256 pages, ISBN 978-1-5063-1139-5
List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



Using Formative Assessment to Differentiate Mathematics Instruction: Seven Practices to Maximize Learning

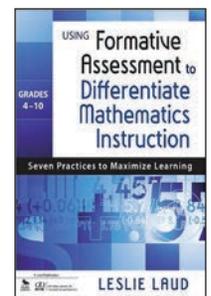
LESLIE LAUD

Copublished with Corwin Press

Staff development expert and former math teacher Leslie Laud provides a clear road map for using formative assessment to differentiate mathematics instruction for students in grades 4-10, using strategies ideal for a response to intervention (RTI) model. Tested and enhanced by experienced math teachers, the book's strategies are designed for use in conjunction with any curriculum or textbook.

2011, Stock #14175, 145 pages, ISBN 978-1-4129-9524-5
List Price: \$30.95 / Essential Price: \$24.76 / Premium Price: \$21.67

[Learn more](#)



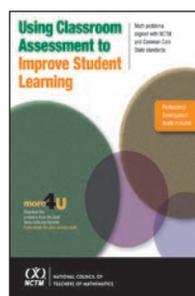
Using Classroom Assessment to Improve Student Learning: Math Problems Aligned with NCTM and Common Core State Standards

EDITED BY ANNE M. COLLINS

Linking assessment to everyday classroom instruction requires a shift in both thinking and practice. For many, the term "assessment" simply means grade. This book shows how teachers can move away from using tests, letter or numerical grades, or passing or failing as evidence of student learning to creating a rich classroom environment that is conducive to effective formative assessment.

2011, Stock #13593, 138 pages, ISBN 978-0-87353-660-8
List Price: \$38.95 / Essential Price: \$31.16 / Premium Price: \$27.27

[Learn more](#)



APME 2015: Assessment to Enhance Learning and Teaching

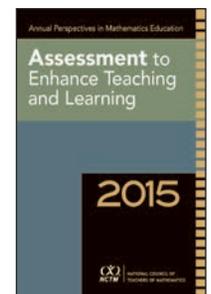
EDITED BY CHRISTINE SUURTAMM

AMY ROTH MCDUFFIE, SERIES EDITOR, 2014-2016

The 2015 volume of *APME* approaches assessment—one of the most discussed topics in mathematics education today—from a wide variety of perspectives. Its 21 chapters include descriptions of research projects, classroom examples, research observations, and proven teaching strategies.

2015, Stock #14860, 254 pages, ISBN 978-0-87353-923-4
List Price: \$44.95 / Essential Price: \$35.96 / Premium Price: \$31.47

[Learn more](#)



Research	Page #	Pre-K-2	Grades 3-5	Grades 6-8	Grades 9-12
Compendium for Research in Mathematics Education	40	●	●	●	●
Enhancing Classroom Practice with Research behind <i>Principles to Actions</i>	39	●	●	●	●
JRME Monograph 14: A Study of Teaching: Multiple Lenses, Multiple Views	41	●	●		
JRME Monograph 15: Psychometric Methods in Mathematics Education	41	●	●	●	●
JRME Monograph 16: Children’s Measurement: A Longitudinal Study of Children’s Knowledge and Learning of Length, Area, and Volume	41	●	●		
Lessons Learned from Research	41	●	●	●	●
Mathematics for Equity: A Framework for Successful Practice	40				●
More Lessons Learned from Research, Volume 1	40	●	●	●	●
More Lessons Learned from Research, Volume 2	39	●	●	●	●
Motivation Matters and Interest Counts: Fostering Engagement in Mathematics	40	●	●	●	●
Putting Research into Practice in the Elementary Grades	41	●	●		
A Research Companion to “Principles and Standards for School Mathematics”	40	●	●	●	●
We Need Another Revolution: Five Decades of Mathematics Curriculum Papers by Zalman Usiskin	40	●	●	●	●

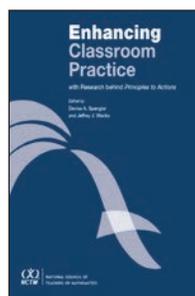
Enhancing Classroom Practice with Research behind *Principles to Actions*

EDITED BY DENISE A. SPANGLER AND JEFFREY J. WANKO

For many mathematics educators, research might seem remote from their day-to-day activities. This book makes research about the big ideas in *Principles to Actions* concrete by offering examples, from classroom practice, of best practices in action. It links research to practice to give readers a flavor of what a principle or an element might look like in classroom practice.

2017, Stock #14787, 169 pages, ISBN 978-0-87353-978-4
List Price: \$35.95 / Essential Price: \$28.76 / Premium Price: \$25.17

[Learn more](#)



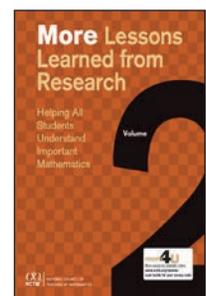
More Lessons Learned from Research, Volume 2

EDITED BY EDWARD A. SILVER AND PATRICIA ANN KENNEY

More than seventy years of research point to the importance of teaching mathematics for understanding. Successful students actively construct understanding rather than passively receive knowledge. Twenty-four chapters in this readable title share ideas for strengthening teaching and learning by applying accessible, relevant insights from research. All chapters have been adapted and updated from articles published in NCTM’s *Journal for Research in Mathematics Education* between 2000 and 2010, and the authors have rewritten and revised their work to make it clear, understandable, and useful for classroom mathematics teachers.

2016, Stock #14439, 268 pages, ISBN 978-0-87353-725-4
List Price: \$42.95 / Essential Price: \$34.36 / Premium Price: \$30.07

[Learn more](#)



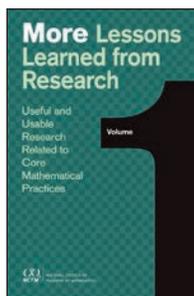
More Lessons Learned from Research, Volume 1

EDITED BY EDWARD A. SILVER AND PATRICIA ANN KENNEY

2015, Stock #14117, 310 pages, ISBN 978-0-87353-687-5

List Price: \$42.95 / Essential Price: \$34.36 / Premium Price: \$30.07

[Learn more](#)



Mathematics for Equity: A Framework for Successful Practice

EDITED BY NA'ILAH NASIR, CARLOS CABANA, BARBARA SHREVE, ESTELLE WOODBURY, AND NICOLE LOUIE

Copublished with Teachers College Press

“Want to fix what’s wrong with mathematics instruction in your school? Read this book with your colleagues and do what it inspires you to do. Written by the brave teachers and former students who did it, as well as researchers.”

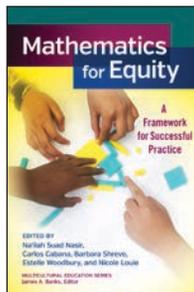
—PHIL DARO, Writing team, Common Core Standards, Strategic Education Research Partnership

In this book, nationally renowned scholars join classroom teachers to share equity-oriented approaches that have been successful with urban high school mathematics students. Compiling for the first time major research findings and practitioner experiences from Railside High School, this volume describes the evolution of a fundamentally different conception of learners and teaching. The chapters bring together research and reflection on teacher collaboration and professional communities, student outcomes and mathematics classroom culture, reform curricula and pedagogy, and ongoing teacher development.

2014, Stock #14786, 288 pages, ISBN 978-0-8077-5541-9

List Price: \$44.95 / Essential Price: \$35.96 / Premium Price: \$31.47

[Learn more](#)



A Research Companion to “Principles and Standards for School Mathematics”

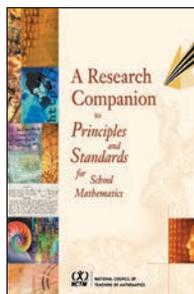
EDITED BY JEREMY KILPATRICK, W. GARY MARTIN, AND DEBORAH SCHIFTER

This publication synthesizes the research to lend insight into current thinking about school mathematics and presents an analysis of what research should be expected to do in setting standards.

2003, Stock #12341, 413 pages, ISBN 978-0-87353-537-3

List Price: \$54.95 / Essential Price: \$43.96 / Premium Price: \$38.46

[Learn more](#)



Compendium for Research in Mathematics Education

EDITED BY JINFANG CAI

This valuable new resource provides the most comprehensive evidence of what is known about research in mathematics education. The 38 chapters are grouped into five sections that address research about foundations; methods; mathematical processes and content; students, teachers, and learning environments; and futuristic issues. Each chapter offers a synthesis of research with an eye on the historical development of a research topic as well as historical milestones of the research about the topic.

2017, Stock #14330, 1020 pages, ISBN 978-0-87353-711-7

List Price: \$375.00 / Essential Price: \$300.00 / Premium Price: \$262.50

[Learn more](#)



We Need Another Revolution: Five Decades of Mathematics Curriculum Papers by Zalman Usiskin

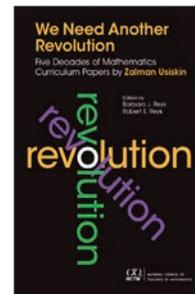
EDITED BY BARBARA J. REYS AND ROBERT E. REYS

Throughout his career, Zalman Usiskin witnessed, participated in, and responded to any significant developments in school mathematics and the mathematics curriculum, and he was instrumental in developing the influential University of Chicago School Mathematics Project. This selection of Usiskin’s work and perspectives focuses on mathematics curriculum. It is organized into six sections with papers arranged chronologically, and each section includes a brief introduction by the author.

2014, Stock #14771, 446 pages, ISBN 978-0-87353-760-5

List Price: \$62.95 / Essential Price: \$50.36 / Premium Price: \$44.07

[Learn more](#)



Motivation Matters and Interest Counts: Fostering Engagement in Mathematics

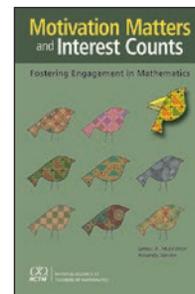
JAMES A. MIDDLETON AND AMANDA JANSEN

This book is the go-to source for information on mathematical motivation. It presents the full body of research on motivation in a useful, interesting, and provocative manner.

2011, Stock #13787, 186 pages, ISBN 978-0-87353-658-5

List Price: \$39.95 / Essential Price: \$31.96 / Premium Price: \$27.97

[Learn more](#)



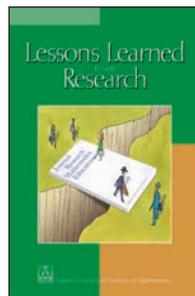
Lessons Learned from Research

EDITED BY JUDITH SOWDER AND BONNIE SCHAPPELLE

2002, Stock #12300, 219 pages, ISBN 978-0-87353-526-7

List Price: \$40.95 / Essential Price: \$32.76 / Premium Price: \$28.67

[Learn more](#)



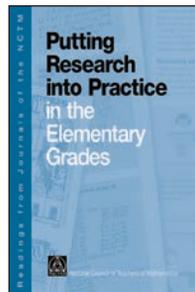
Putting Research into Practice in the Elementary Grades

EDITED BY DONALD L. CHAMBERS

2002, Stock #751, 320 pages, ISBN 978-0-87353-516-8

List Price: \$41.95 / Essential Price: \$33.56 / Premium Price: \$29.37

[Learn more](#)



Journal for Research in Mathematics Education (JRME) Monographs Series

JRME Monograph 16: Children's Measurement: A Longitudinal Study of Children's Knowledge and Learning of Length, Area, and Volume

EDITED BY JEFFREY E. BARRETT, DOUGLAS H. CLEMENTS, AND JULIE SARAMA

The sixteenth *Journal for Research in Mathematics Education (JRME)* monograph is a report on a four-year-long multisite longitudinal study that studied children's thinking and learning about geometric measurement (i.e., length, area, and volume). Through the results of this study, the authors clarify how children learn and apply measurement knowledge in pre-K through grade 5, in addition to exploring the development of children's cognitive abilities (e.g., spatial thinking, proportional reasoning) in understanding and using measurement strategies.

2017, Stock #15266, 262 pages, ISBN 978-0-87353-989-0

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



JRME Monograph 15: Psychometric Methods in Mathematics Education

EDITED BY ANDREW IZSÁK, JANINE T. REMILLARD, AND JONATHAN TEMPLIN

This monograph is intended to guide further interdisciplinary collaborations between mathematics education researchers and psychometricians by examining theoretical and conceptual issues that have arisen in recent efforts to apply contemporary psychometric models to mathematics education research. Its chapters are intended to (a) illustrate for mathematics education researchers the two main categories of psychometric models—models that locate individuals along continua and models that place individuals into discrete groups, as well as hybrids of these approaches; (b) provide examples that apply these different categories of psychometric models to mathematics education research; (c) illustrate how researchers have selected different psychometric models on the basis of the researchers' goals and (d) demonstrate issues related to item development. The monograph will enhance an awareness among mathematics education researchers that it is increasingly possible to select from a variety of model options when pursuing particular research goals and that choosing among models involves trade-offs.

2016, Stock #15205, 200 pages, ISBN 978-0-87353-980-7

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



JRME Monograph 14: A Study of Teaching: Multiple Lenses, Multiple Views

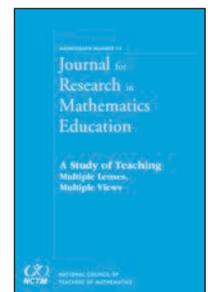
ALAN SCHOENFELD AND NEIL PATEMAN

This volume represents the efforts of a number of scholars to study a brief excerpt of teaching in fine detail. The scholars wrote separate analyses of a single, six-minute video clip taken from a mathematics lesson being given in a third-grade classroom. Each chapter presents a different analysis of the six-minute clip followed by commentary on the various approaches that were taken in the reviews. Includes CD ROM.

2008, Stock #13245, 202 pages, 978-0-87353-603-5

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price: \$23.07

[Learn more](#)



Professional Resources	Page #	Pre-K-5	Grades 3-5	Grades 6-8	Grades 9-12
Achieving Fluency: Special Education and Mathematics	45	●	●	●	●
Building a Math-Positive Culture: How to Support Great Math Teaching in Your School	43	●	●	●	●
Curriculum-Based Activities and Resources for Preservice Math Teachers	45	●	●	●	●
5 Practices for Orchestrating Productive Task-Based Discussions in Science	44	●	●	●	●
Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards-Based Classroom, Third Edition	43	●	●	●	
A Guide to Mathematics Coaching: Processes for Increasing Student Achievement	45	●	●	●	●
A Guide to Mathematics Leadership: Sequencing Instructional Change	45	●	●	●	●
The Impact of Identity in K-8 Mathematics: Rethinking Equity-Based Practices	45	●	●	●	
Making Sense of Math: How to Help Every Student Become a Mathematical Thinker and Problem Solver	43	●	●	●	●
Math Is a Verb: Activities and Lessons from Cultures around the World	43	●	●	●	●
Mathematics Professional Development: Improving Teaching Using the Problem-Solving Cycle and Leadership Preparation Models	44	●	●	●	●
Models of Intervention in Mathematics: Reweaving the Tapestry	45	●	●	●	●
Perspectives on Design and Development of School Mathematics Curricula	43	●	●	●	●
Principles to Actions: Ensuring Mathematical Success for All	44	●	●	●	●
Reimagining the Mathematics Classroom	43	●	●	●	●
Teaching Mathematics for Social Justice: Conversations with Educators	44	●	●	●	●

Building a Math-Positive Culture: How to Support Great Math Teaching in Your School

CATHY L. SEELEY

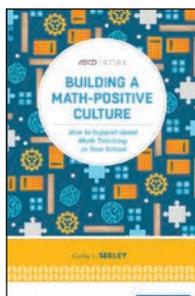
Copublished with ASCD

This concise, highly readable book offers administrators an overview of an effective mathematics program and examples of actions to take to support successful math teaching and learning. The book is an essential tool for leaders facing the critical task of revising their math program to develop flexible mathematical thinkers who are capable of meeting the demands of the 21st century.

2016, Stock #15307, 58 pages, ISBN 978-1-4166-2246-8

List Price: \$12.99 / Essential Price: \$10.39 / Premium Price: \$9.09

[Learn more](#)



Reimagining the Mathematics Classroom

CATHERY YEH, MARK W. ELLIS, AND
CAROLEE KOEHN HURTADO

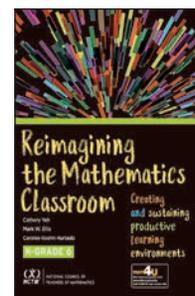
Reimagining the Mathematics Classroom

presents a comprehensive systems approach to examining mathematics teaching. It synthesizes and illustrates current research on the essential elements of mathematics teaching and learning, unpacking each component, including classroom physical space; mathematical discourse, tasks, assessments; and families and communities, and providing concrete practical strategies and tools teachers can apply directly to their work. In addition, tips on using technology to assess and enhance learning are embedded throughout the book.

2017, Stock #15000, 160 pages, ISBN 978-0-87353-908-1

List Price: \$27.95 / Essential Price: \$22.36 / Premium Price: \$19.56

[Learn more](#)



Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards- Based Classroom, Third Edition

MARIAN SMALL

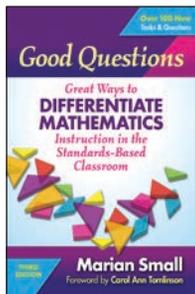
Copublished with Teachers College Press

The third edition of this bestselling resource has been expanded with over 100 new tasks and questions, and it helps experienced and novice teachers to effectively and efficiently differentiate mathematics instruction in K–grade 8. This volume includes key changes that will make it easier for teachers to use in all quality state standards environments, including direct links to Common Core content standards and Standards for Mathematical Practice.

2017, Stock #15474, 304 pages, ISBN 978-8-80775-854-0

List Price: \$34.95 / Essential Price: \$27.96 / Premium Price: \$24.47

[Learn more](#)



Making Sense of Math: How to Help Every Student Become a Mathematical Thinker and Problem Solver

CATHY L. SEELEY

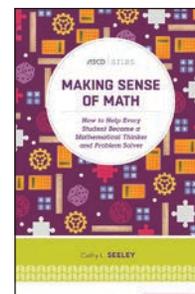
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For students, becoming mathematical thinkers and problem solvers is an essential first step to achieving STEM success. In this brief but thought-provoking look at mathematics teaching, former NCTM president Cathy L. Seeley considers what it takes for each teacher to help every student become a mathematical thinker and problem solver.

2016, Stock #15308, 53 pages, ISBN 978-1-4166-2242-0

List Price: \$12.99 / Essential Price: \$10.39 / Premium Price: \$9.09

[Learn more](#)



Perspectives on Design and Development of School Mathematics Curricula

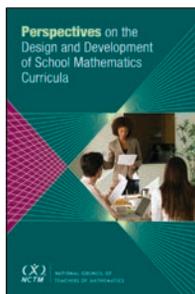
EDITED BY CHRISTIAN HIRSCH

This book offers multiple perspectives on the design and development of Standards-based curricula by fifteen comprehensive curriculum development projects.

2007, Stock #13233, 216 pages, ISBN 978-0-87353-599-1

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price: \$23.07

[Learn more](#)



Math Is a Verb: Activities and Lessons from Cultures Around the World

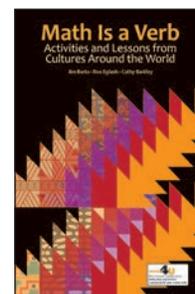
JIM BARTA, RON EGLASH, AND CATHY
BARKLEY

Would you like to enhance your mathematics instruction by integrating into it examples and activities from cultures throughout the world? The book provides culturally situated examples, each linked to Common Core objectives, that show how mathematics can be so much more than a story problem or an exercise in a worksheet with little or no context.

2014, Stock #14326, 163 pages, ISBN 978-0-87353-707-0

List Price: \$29.85 / Essential Price: \$23.88 / Premium Price: \$20.90

[Learn more](#)



Mathematics Professional Development: Improving Teaching Using the Problem-Solving Cycle and Leadership Preparation Models

HILDA BORKO, JENNIFER JACOBS, KAREN KOELLNER, AND LYN E. SWACKHAMER

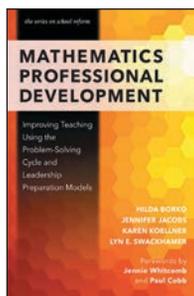
Copublished with Teachers College Press

This resource helps school leaders and others offer ongoing, structured professional development for K-12 mathematics teachers. Focusing on content, classroom instruction, and student learning, the Problem-Solving Cycle and Leadership Preparation models are tailored to meet the needs of teachers and schools. Examples of workshop activities for teachers and professional development (PD) leaders are included.

2015, Stock #15093, 160 pages, ISBN 978-0-8077-5655-3

List Price: \$32.95 / Essential Price: \$26.36 / Premium Price: \$23.07

[Learn more](#)



5 Practices for Orchestrating Productive Task-Based Discussions in Science

BY JENNIFER L. CARTIER, MARGARET S. SMITH, MARY KAY STEIN, AND DANIELLE K. ROSS

FOREWORD BY MARK WINDSCHITL

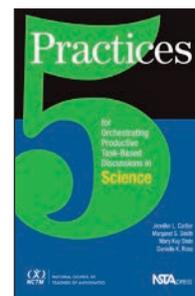
Copublished with National Science Teachers Association Press

Robust and effective classroom discussions are essential for providing students with opportunities to simultaneously engage in science practices while learning key science content. Using numerous examples and science learning tasks, the authors show how teachers can plan the lesson to encourage students to not only learn science content but also employ disciplinary practices.

2013, Stock #14576, 130 pages, ISBN 978-0-87353-745-2

List Price: \$29.95 / Essential Price: \$23.96 / Premium Price: \$20.97

[Learn more](#)



Principles to Actions: Ensuring Mathematical Success for All

Over 100,000 copies sold.

Continuing its tradition of mathematics education leadership, NCTM has defined and described the principles and actions that are essential for a high-quality mathematics education for all students. *Principles to Actions* offers guidance to teachers, specialists, coaches, administrators, policymakers, and parents. It builds on the Principles articulated in NCTM's *Principles and Standards for School Mathematics* to present six updated Guiding Principles for School Mathematics. To support the first Guiding Principle, Teaching and Learning, the book includes eight essential, research-based Mathematics Teaching Practices. With this volume, NCTM has taken the next step in shaping the development of high-quality standards throughout the United States, Canada, and worldwide.

2014, Stock #14861, 139 pages, ISBN 978-0-87353-774-2

List Price: \$28.95 / Essential Price: \$23.16 / Premium Price: \$20.27

[Learn more](#)



Teaching Mathematics for Social Justice: Conversations with Educators

EDITED BY ANITA A. WAGER AND DAVID W. STINSON

This collection of original articles is the start of a compelling conversation among some of the leading figures in critical and social justice mathematics, a number of teachers and educators who have been inspired by them and who have inspiring stories of their own to tell, and any reader interested in the intersection of education and social justice. An important read for every educator, this book shows how to teach mathematics so that all students are given the tools they need to confront issues of social justice today and in the future.

“[This book] presents a collection of engaging and important ideas that can help transform mathematics from a traumatic and unfair learning experience to one that is enjoyable and equitable. The editors include some of the most insightful educators in this area, who think deeply about issues of social justice, in theory and practice, and work to make a real impact in children’s lives.”

—JO BOALER, Professor, School of Education, Stanford University

2012, Stock #13955, 213 pages, ISBN 978-0-87353-679-0

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

[Learn more](#)



Achieving Fluency: Special Education and Mathematics

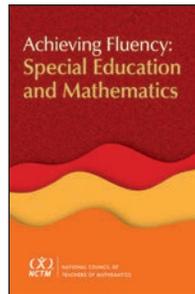
FRANCIS (SKIP) FENNEL

Is it a learning disability or a teaching disability? This book presents the understanding that all teachers need to play a role in the education of students who struggle: those with disabilities and those who simply lack essential foundational knowledge. The book shares increasingly intensive instructional interventions for struggling students on essential topics aligned with NCTM's Curriculum Focal Points, the Common Core State Standards for Mathematics, and the practices and processes that overlap the content.

2011, Stock #13783, 255 pages, ISBN 978-0-87353-654-7

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“This book is a ‘must-have’ for mathematics teacher educators who prepare future teachers...”

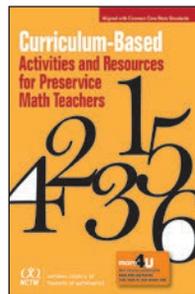
—MARGARET (PEG) SMITH, Professor of Mathematics Education, University of Pittsburgh

This book compiles the different ways that mathematics teacher educators at various universities have used Standards-based curriculum materials. It shows how both elementary and secondary prospective teachers can enhance their disposition toward, and understanding of, NCTM's *Principles and Standards for School Mathematics*, as they analyze and enact Standards-based curricular materials.

2011, Stock #13993, 119 pages, ISBN 978-0-87353-682-0

List Price: \$35.95 / Essential Price: \$28.76 / Premium Price: \$25.17

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The Impact of Identity in K-8 Mathematics: Rethinking Equity-Based Practices

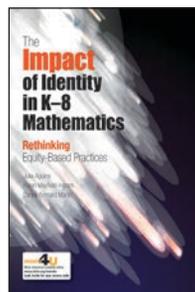
JULIA AGUIRRE, KAREN MAYFIELD-INGRAM, AND DANNY MARTIN

This book invites K-8 teachers to reflect on their own and their students' multiple identities. Rich possibilities for learning result when teachers draw on these identities to offer high-quality, equity-based teaching to all students. The book features classroom vignettes, lessons, and assessments showing equity-based practices, along with tools for teachers' self-reflection and professional development.

2013, Stock #14119, 978-0-87353-689-9

List Price: \$36.95 / Essential Price: \$29.56 / Premium Price: \$25.87

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A Guide to Mathematics Coaching: Processes for Increasing Student Achievement

TED H. HULL, DON S. BALK, AND RUTH HARBIN MILES

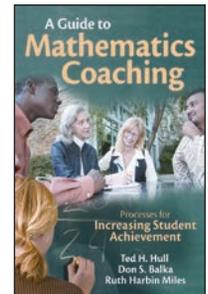
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Based on principles established by NCTM and NCSM, this book features a three-part process for engaging teachers in building high-quality, equitable mathematics programs. Filled with numerous vignettes to illustrate coaching practices and strategies to move teachers toward more effective instructional models, this guide is an essential companion for transforming mathematics classrooms.

2010, Stock #13836, 176 pages, ISBN 978-1-41297-264-2

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price: \$22.37

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A Guide to Mathematics Leadership: Sequencing Instructional Change

DON S. BALK, TED H. HULL, AND RUTH HARBIN MILES

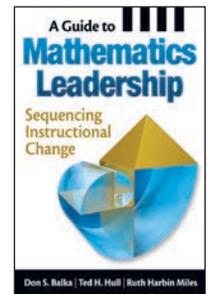
Copublished with Corwin Press

Empower educators and learners to meet and exceed high expectations. School leaders who are responsible for improving achievement face tremendous challenges. Written by three noted mathematics educators, this book helps leaders implement a high-quality program, regardless of the status of their current programs or the availability of resources.

2010, Stock #13762, 176 pages, ISBN 978-1-41297-543-8

List Price: \$31.95 / Essential Price: \$25.56 / Premium Price: \$22.37

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Models of Intervention in Mathematics: Reweaving the Tapestry

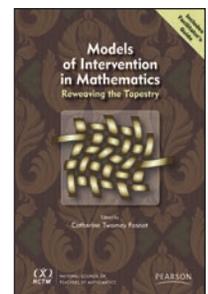
CATHERINE TWOMEY FOSNOT

This publication synthesizes the research on intervention programs and best practices related to mathematical instructional pedagogy and differentiation to assist teachers, schools, and school districts in improving the manner in which they serve children with challenges in mathematics. Includes Professional Development Facilitator's Guide.

2010, Stock #13788, 195 pages, ISBN 978-0-87353-659-2

List Price: \$35.95 / Essential Price: \$28.76 / Premium Price: \$25.17

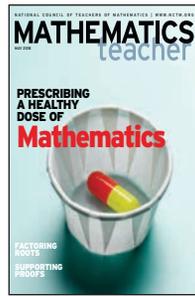
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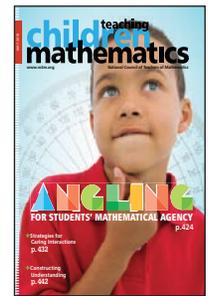
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Teaching Children Mathematics is intended as a resource for elementary school students, teachers, and teacher educators. The focus of the journal is on intuitive, exploratory investigations that use informal reasoning to help students develop a strong conceptual basis that leads to greater mathematical abstraction. The journal's articles have won numerous awards, including honors from the Society of National Association Publications.

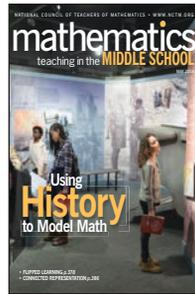
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Mathematics Teacher Educator

Mathematics Teacher Educator contributes to building a professional knowledge base for mathematics teacher educators that stems from, develops, and strengthens practitioner knowledge. The journal provides a means for practitioner knowledge related to the preparation and support of teachers of mathematics to be not only public, shared, and stored, but also verified and improved over time.

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Journal for Research in Mathematics Education

The *Journal for Research in Mathematics Education* is the premier research journal in mathematics education and is devoted to the interests of teachers and researchers at all levels—preschool through college.

JRME is a forum for disciplined inquiry into the teaching and learning of mathematics. The editors encourage submissions including research reports, addressing important research questions and issues in mathematics education; brief reports of research; research commentaries on issues pertaining to mathematics education research; and book reviews.

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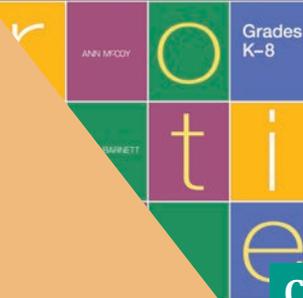


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